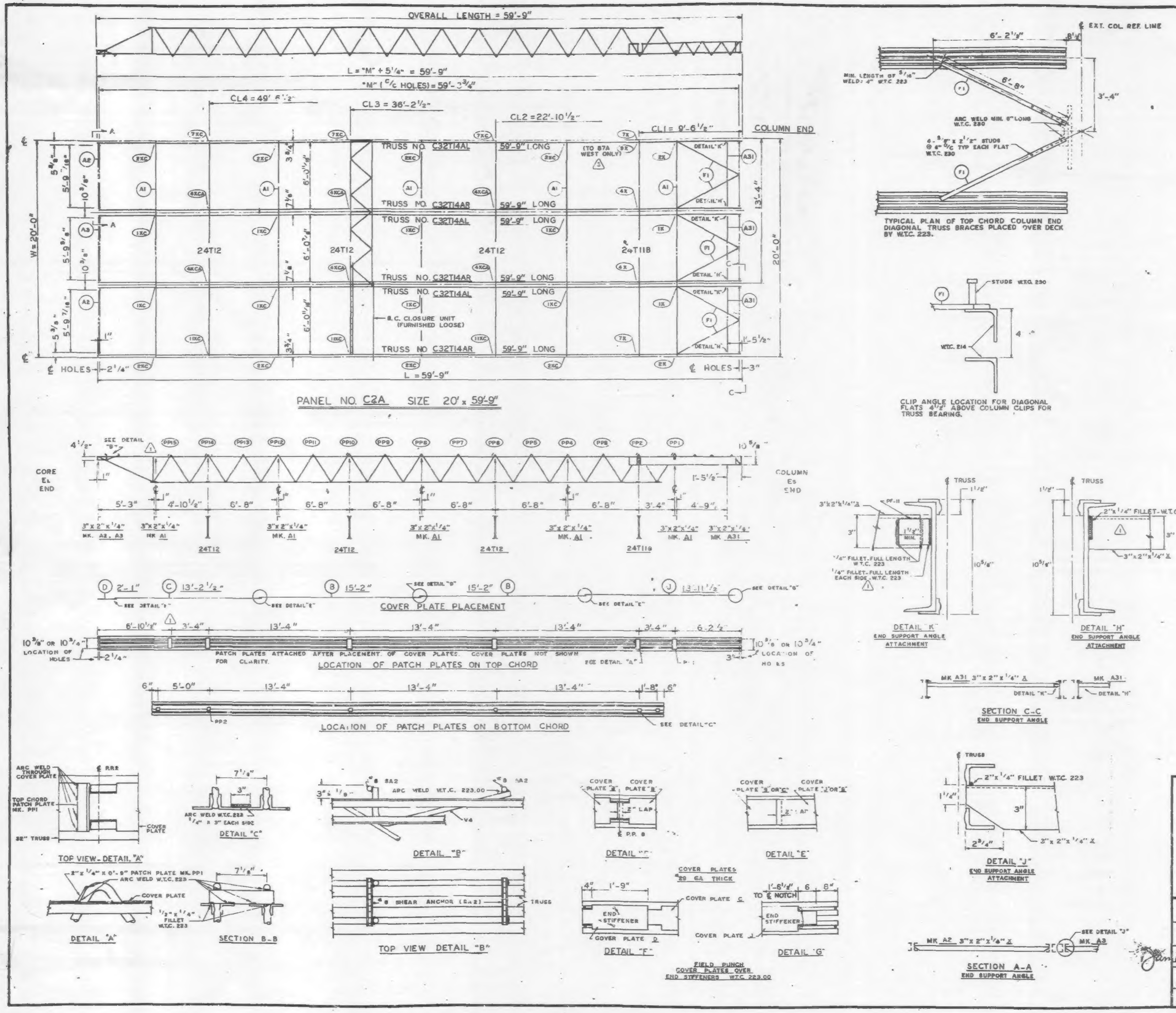
200-299

WTC1-131-LECA



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" O 6'-6 1/2" TUBE	BT 212
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2"x 1 1/2"x .25"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
3	6-16-69	AS NOTED	G.D.C.
2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

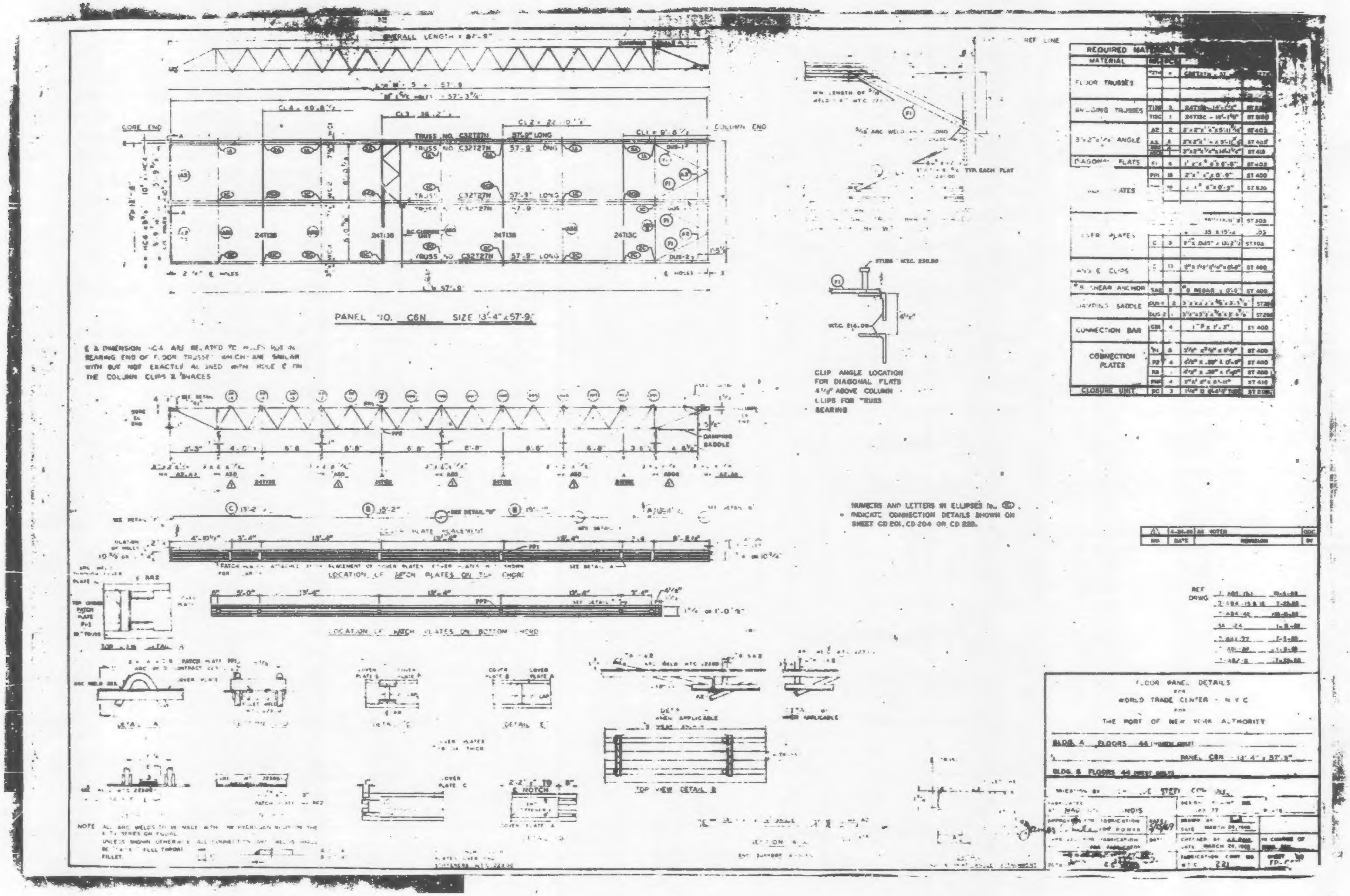
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH) (1)

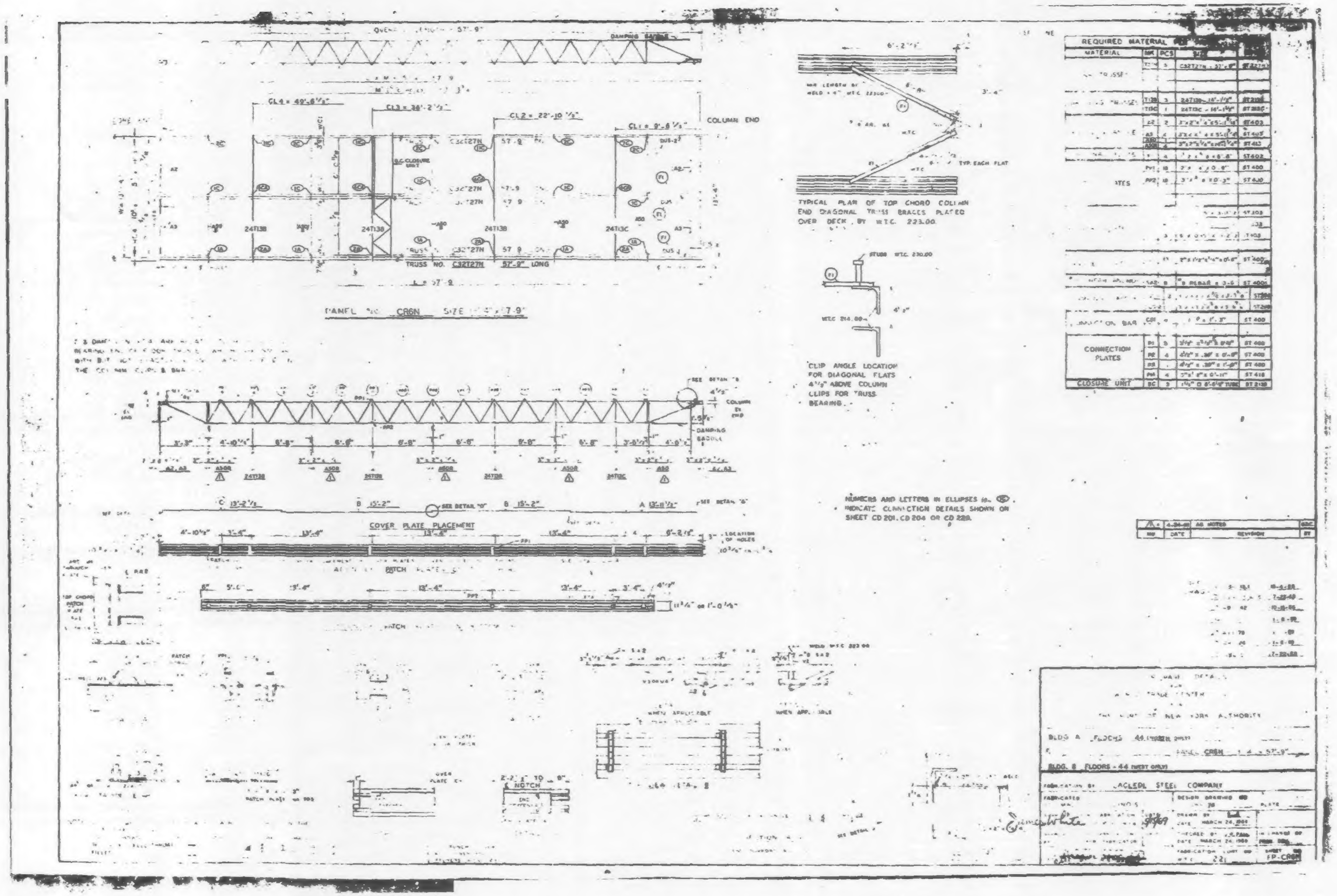
PANEL C2A - 20' x 59'-9"

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) (2)

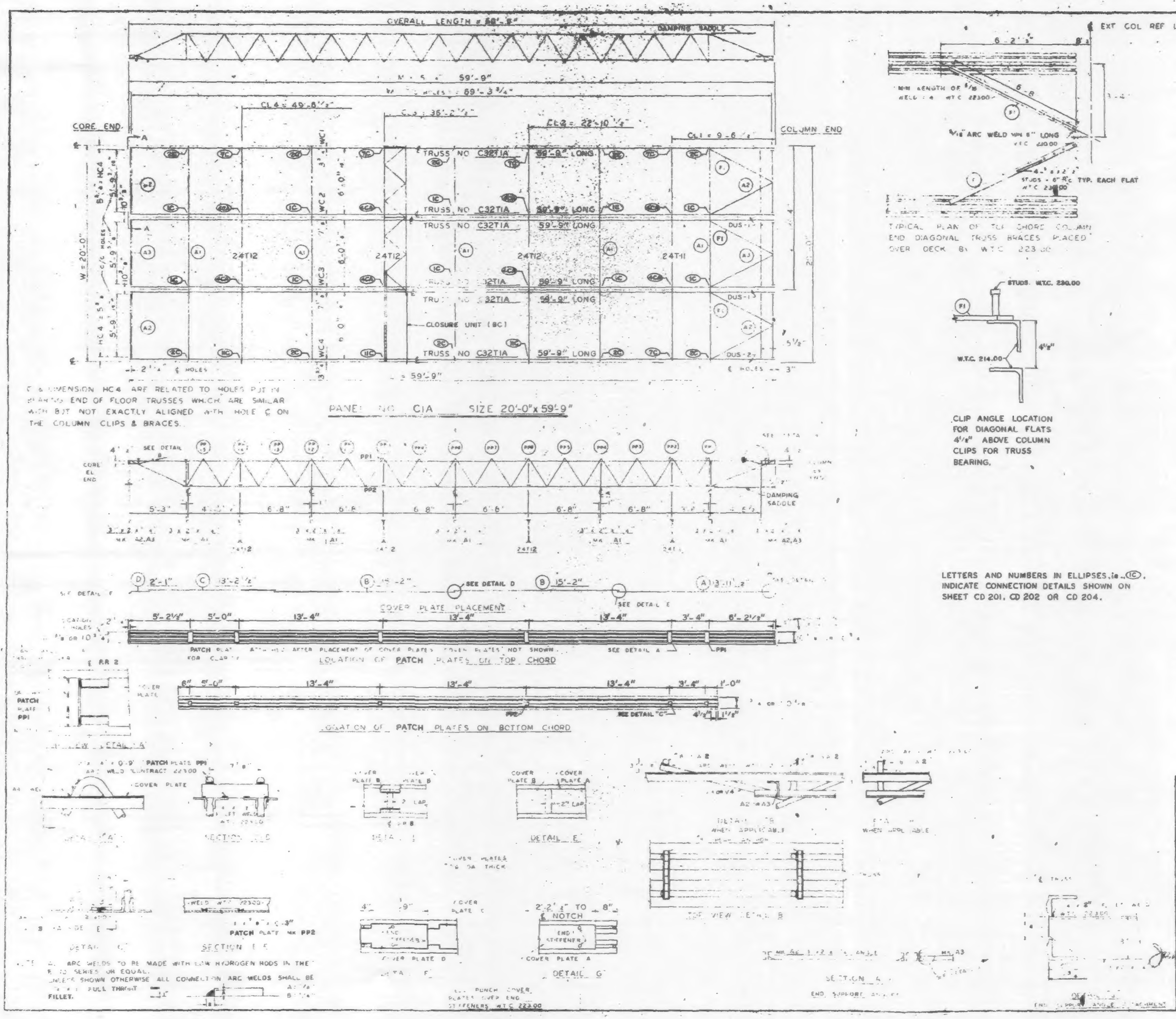
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-28	PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 6/20/69	DRAWN BY luk DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP C2A


OVERALL LENGTH
CORE END
COLUMN END
TRUSS NO. C32T27N
57'-9" LONG
24T138
24T13C
PANEL NO. C6N SIZE 13'-4" x 57'-9"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES
DAMPING SADDLE
LOCATION OF PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
NUMBERS AND LETTERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 204 OR CD 228.
TOP VIEW DETAIL B
WHEN APPLICABLE
REQUIRED MATERIAL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
CLOSURE UNIT
REF DRWG
AS NOTED
NO. DATE REVISION BY
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 44
PANEL C6N - 13'-4" x 57'-9"
BLDG. B FLOORS 44
DRAWN BY
DATE MARCH 24, 1969
CHECKED BY
DATE MARCH 24, 1969
FABRICATION CONT. NO.
221



CL4 = 49'-8 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
COLUMN END
TRUSS NO. C32T27H 57'-9" LONG
PANEL NO. CR6N
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK, BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
DAMPING SADDLE
COVER PLATE PLACEMENT
NUMBERS AND LETTERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 204 OR CD 220.
REQUIRED MATERIAL
MATERIAL
MK
PCS
C32T27H - 57'-9"
24T13B - 14'-1 1/2"
24T13C - 14'-1 1/2"
ST 400
#9 REBAR x 3'-6"
CONNECTION PLATES
CLOSURE UNIT
AS NOTED
DATE
REVISION
BLDG. A FLOORS 44 (NORTH ONLY)
PANEL CR6N
BLDG. B FLOORS - 44 (WEST ONLY)
LACLEDE STEEL COMPANY
DESIGN DRAWING NO.
DRAWN BY
DATE MARCH 24, 1969
CHECKED BY
DATE MARCH 24, 1969
FABRICATION CONT. NO.
W.T.C. 221
SHEET NO.
FP-CR6N



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T.A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4" x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11 1/2"	ST303
	B	6	9" x 0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x 0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS 1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST298
	DUS 2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST298
CONNECTION BAR	CB1	4	1 φ x 1'-3"	ST 400
CLOSURE UNIT	8C	3	2-4 x 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

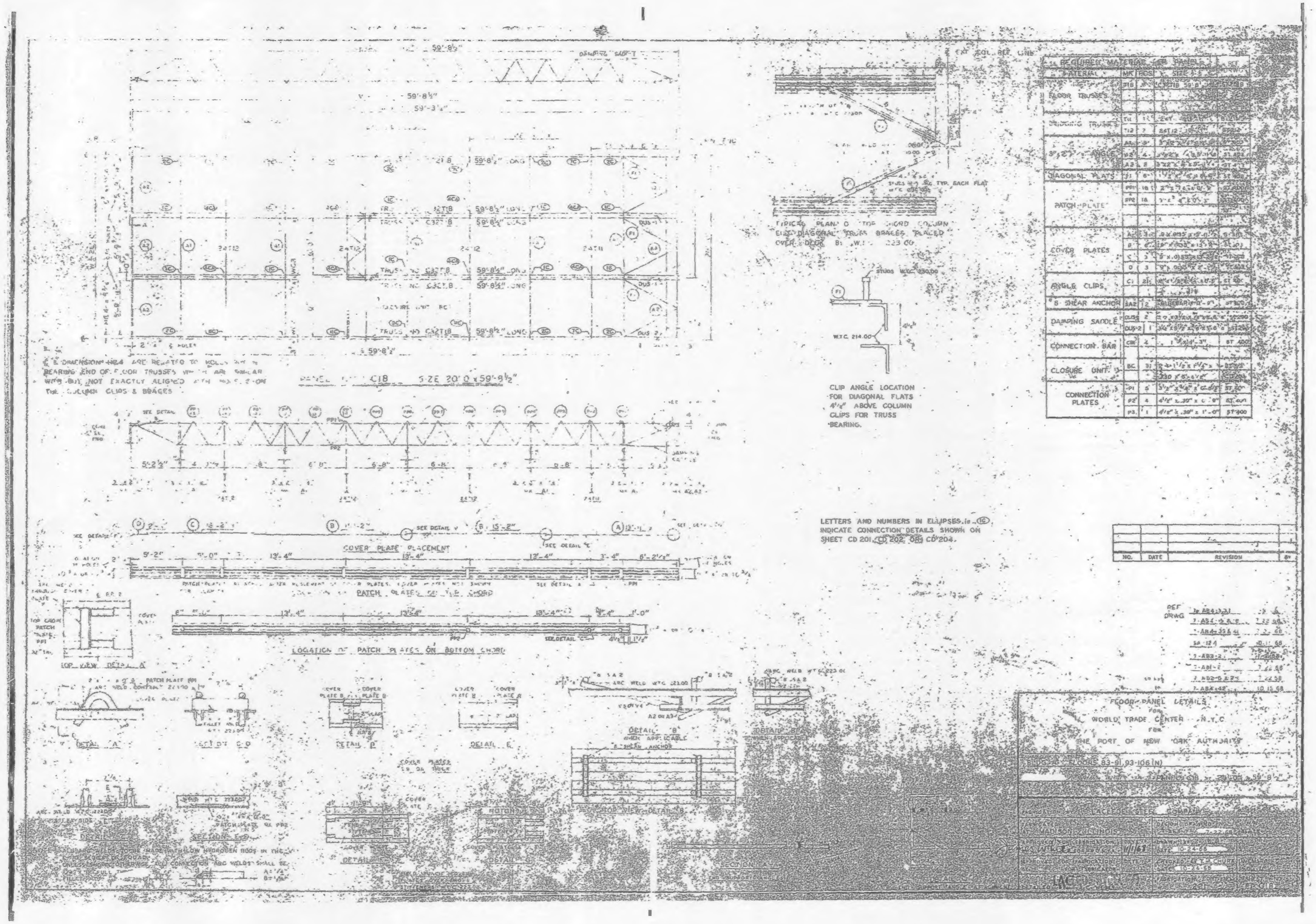
NO.	DATE	REVISION	BY
1	7-17-68	GENERAL	T.M.C.

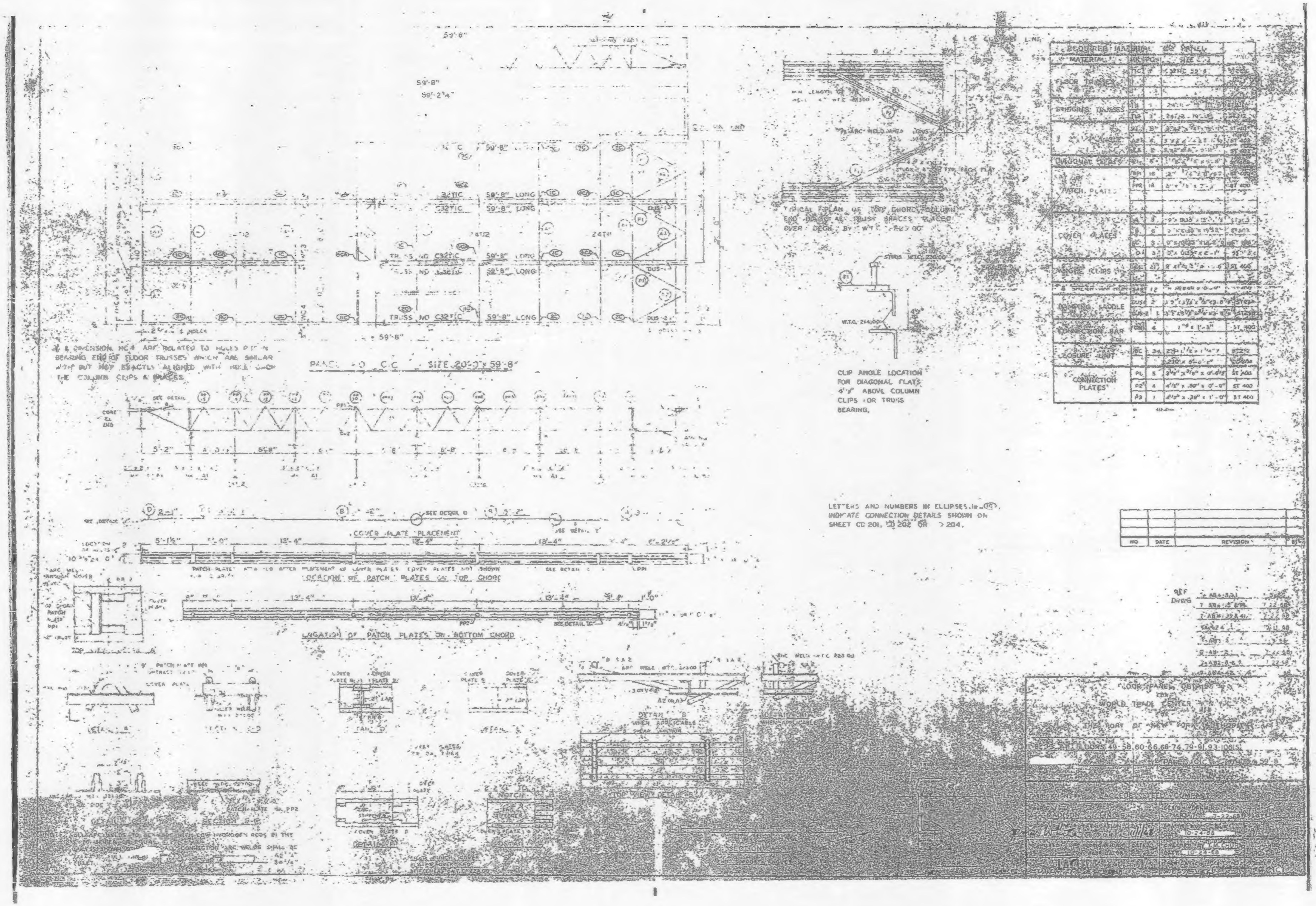
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 3/16" FULL THROAT FILLET.

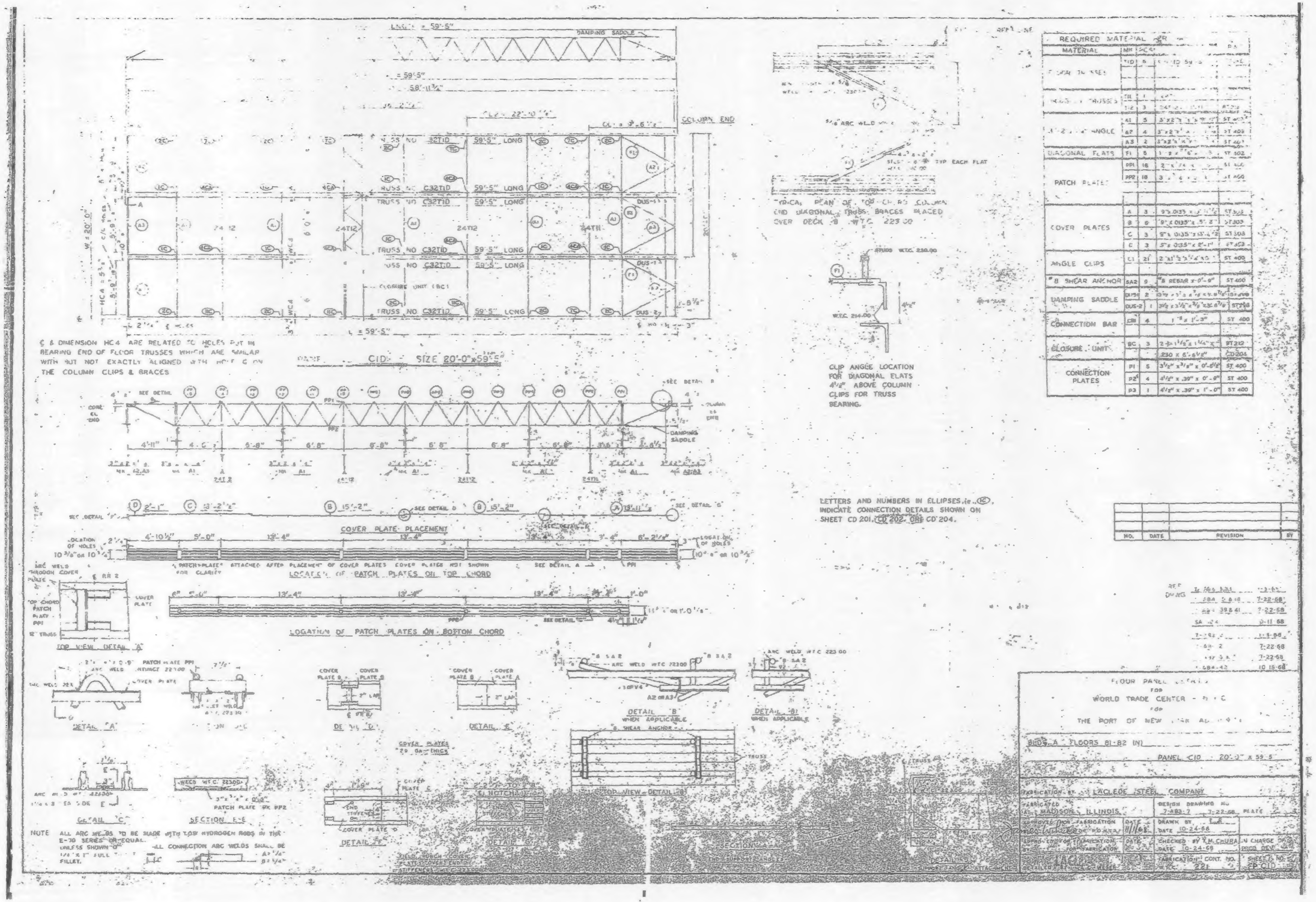
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER [illegible] FOR THE PORT OF NEW YORK AUTHORITY

BLDG A [illegible] 49-58, 60-66 [illegible] PANEL C1A [illegible]

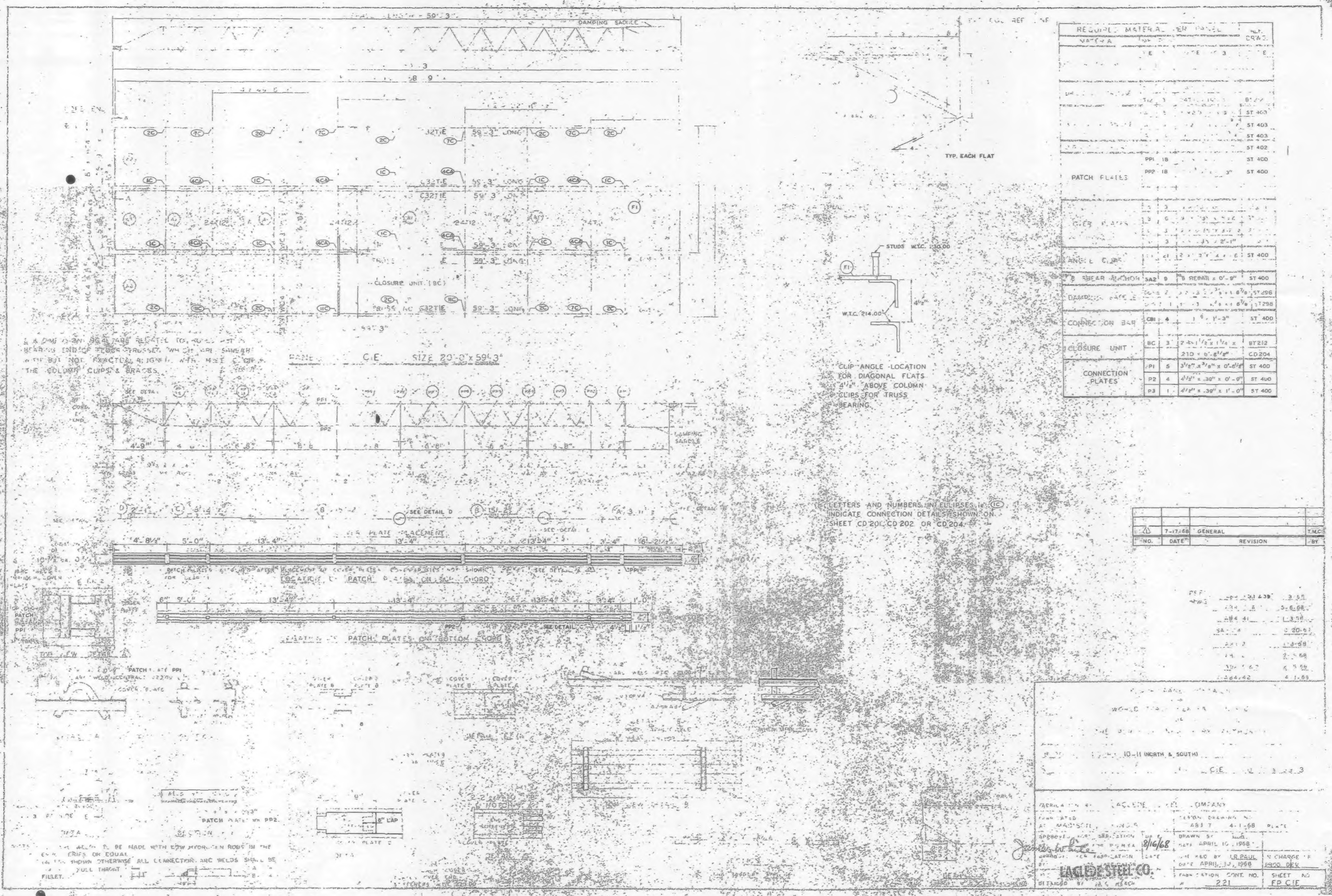
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. [illegible] 4-1-68
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 8/16/68
DRAWN BY [illegible] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — LACLEDE STEEL CO.
CHECKED BY J.R. PAUL DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP C1A


REQUIRED MATERIAL FOR PANELS
FLOOR TRUSSES
BRIDGING TRUSS
ANGLE
DIAGONAL PLATES
PATCH PLATE
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4½" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
W.T.C. 214.00
LETTERS AND NUMBERS IN ELLIPSES.ie..
INDICATE CONNECTION DETAILS SHOWN ON
SHEET CD 201, CD 202 OR CD 204.
COVER PLATE PLACEMENT
PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL A
DETAIL A
DETAIL B
DETAIL E
NO.
DATE
REVISION
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 83-91, 93-106 (N)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
7-22-68
11/1/68
DATE 10-24-68
CHECKED T. J. CHURA
DATE 10-24-68

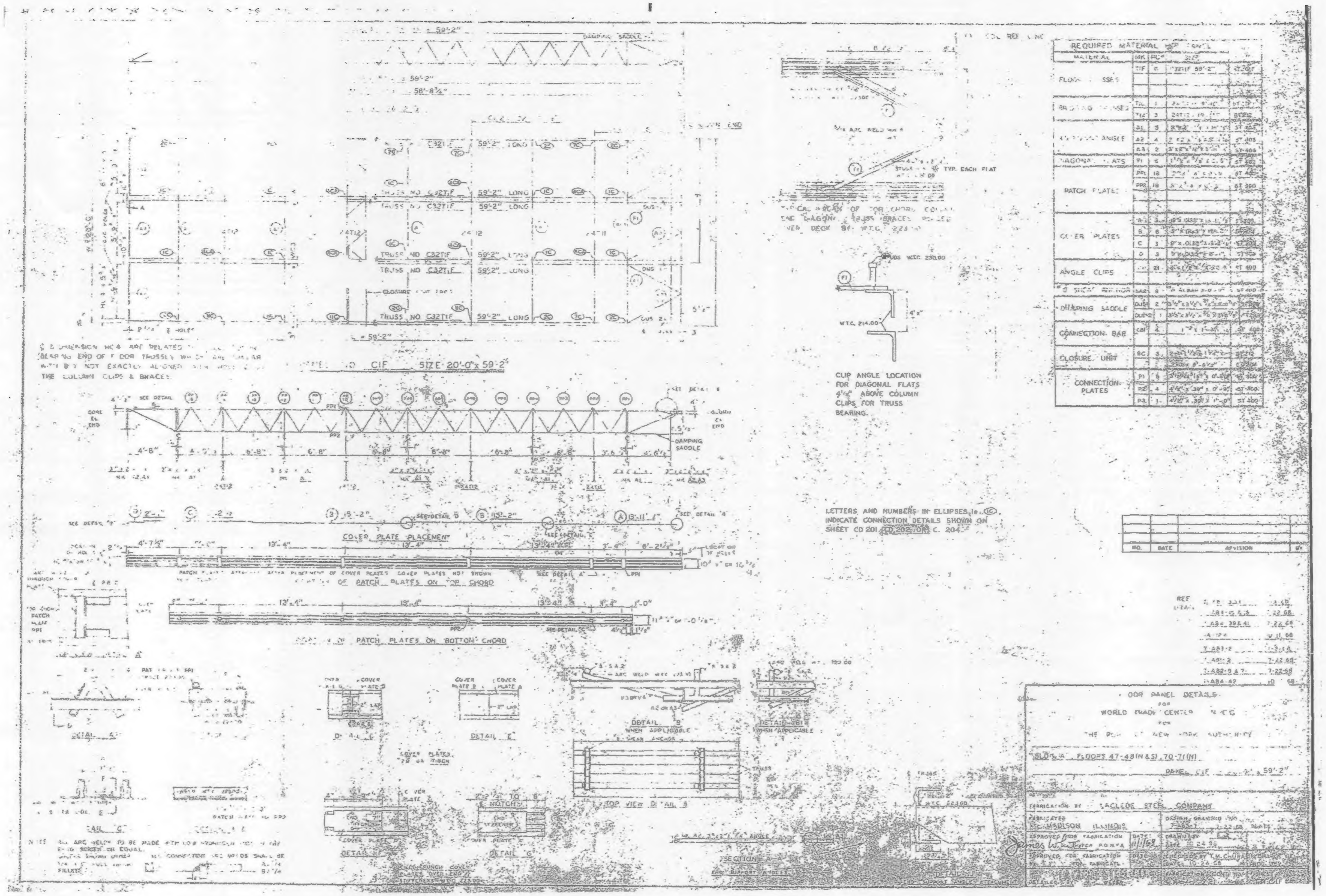

REQUIRED MATERIAL PER PANEL
PANEL 10 C.C. SIZE 20'-0" x 59'-8"
TRUSS NO. C32T1C 59'-8" LONG
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD, COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 225.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4'-2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (DS), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
NO
DATE
REVISION
REF DWG
WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

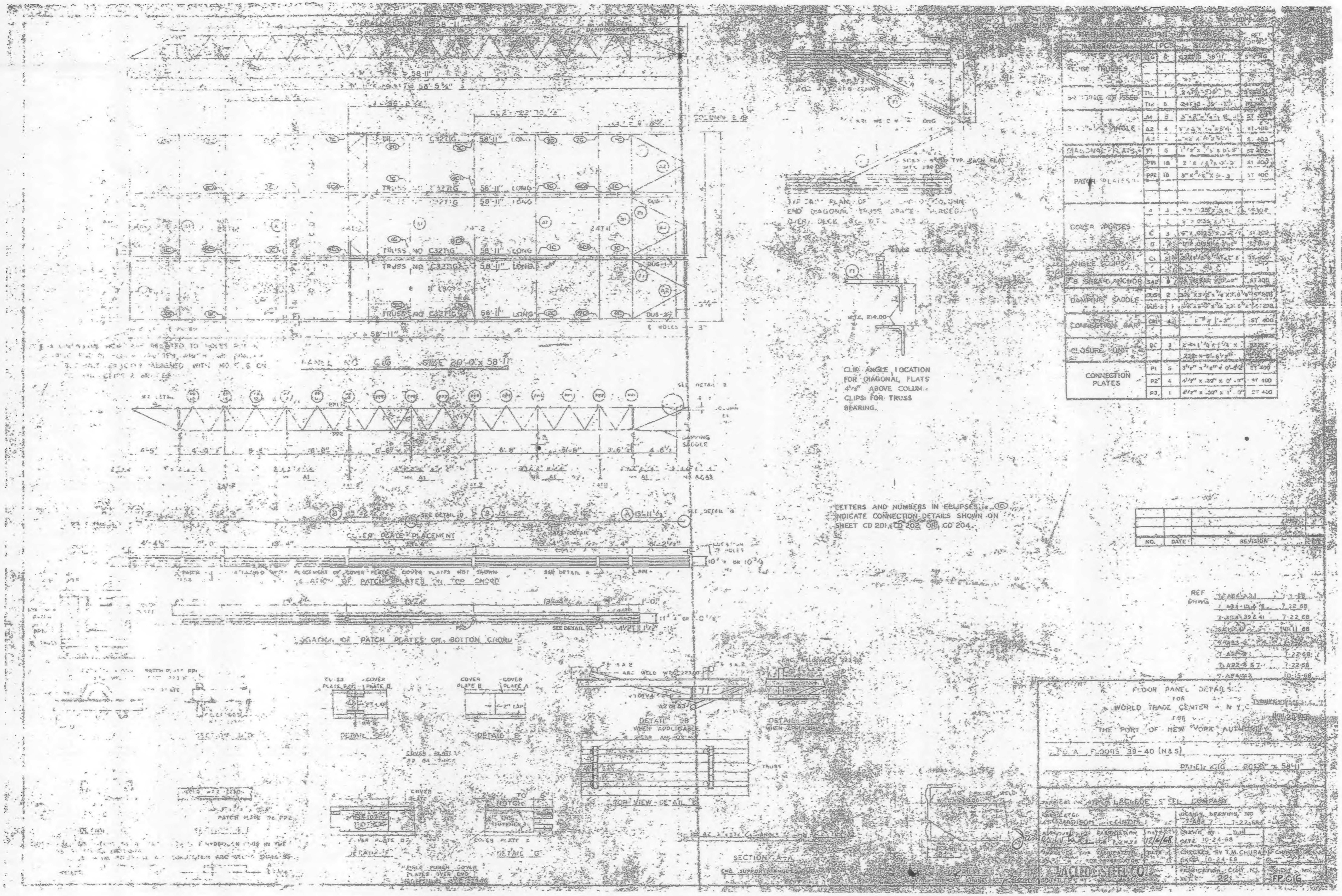


REQUIRED MATERIAL				
MATERIAL	MK	PCS		
FLOOR TRUSSES	T1D	6		
BRIDGING TRUSSES	T1L	1		
	T1-2	3		
ANGLE	A1	3		
	A2	4		ST 403
	A3	2		
DIAGONAL FLATS	F1	6		ST 302
PATCH PLATES	PP1	16		
	PP2	18		
COVER PLATES	A	3		ST 303
	B	6	9" x 0.135" x 5'-2"	ST 303
	C	3		ST 303
	C	3	5" x 0.135" x 2'-1"	
ANGLE CLIPS	C1	21		ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE		2		
	DUS-2	1		
CONNECTION BAR	CB	4		ST 400
CLOSURE UNIT	BC	3		ST 212
			230 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

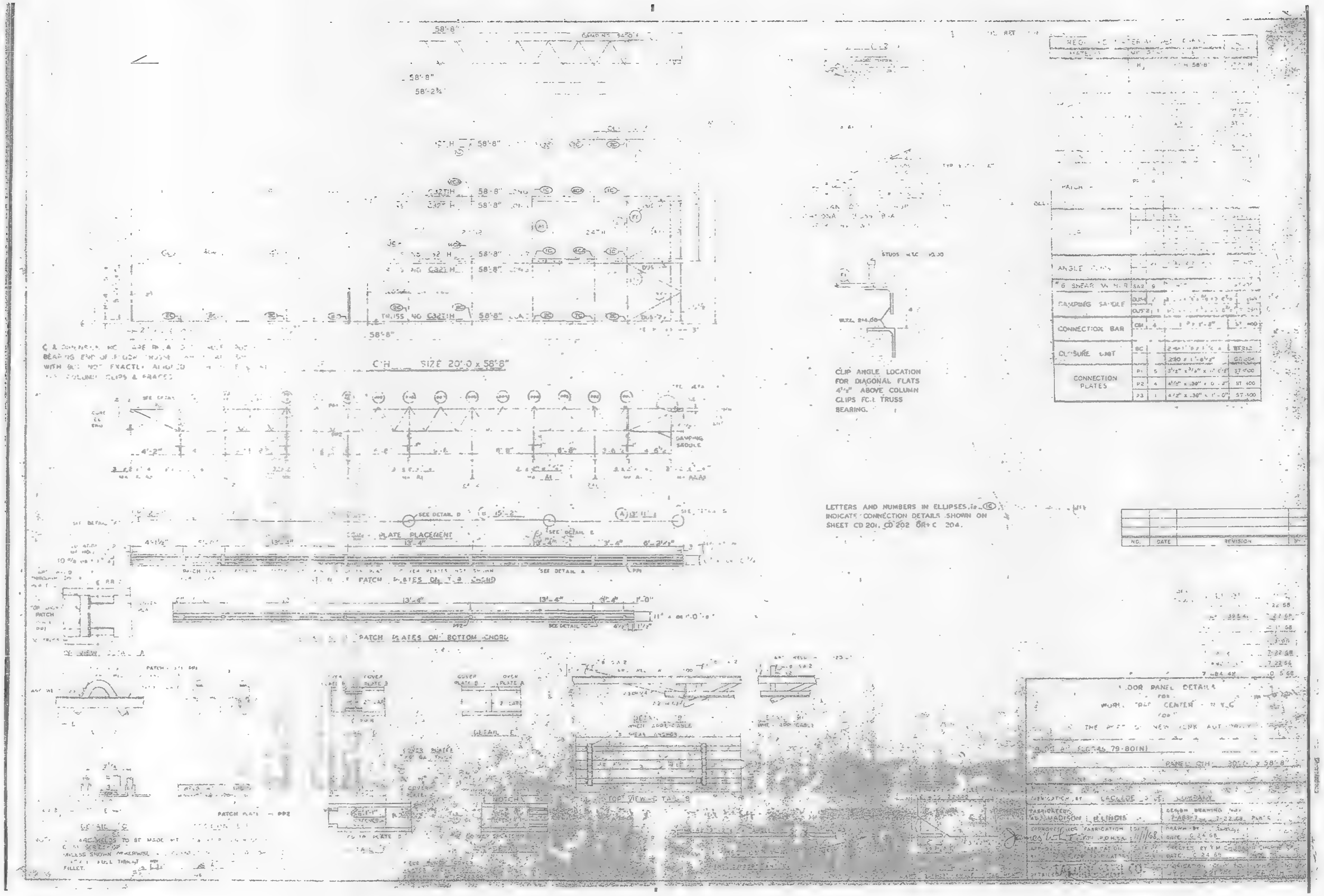


DAMPING SADDLE
TYP. EACH FLAT
PATCH PLATES
ANGLE CLIPS
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
CLOSURE UNIT (BC)
SIZE 20'-0" x 59'-3"
SEE DETAIL D
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
PATCH PLATE PPI
COVER PLATE
PATCH PLATE PP2
LETTERS AND NUMBERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
7-17-68
GENERAL
T.M.C.
NO.
DATE
REVISION
BY
10-11 (NORTH & SOUTH)
C1E
DRAWN BY
DATE APRIL 10, 1968
CHECKED BY I.R. PAUL
DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
8/16/68
LACLEDE STEEL CO.
FABRICATION CONT. NO. 221
SHEET NO. FP C1E

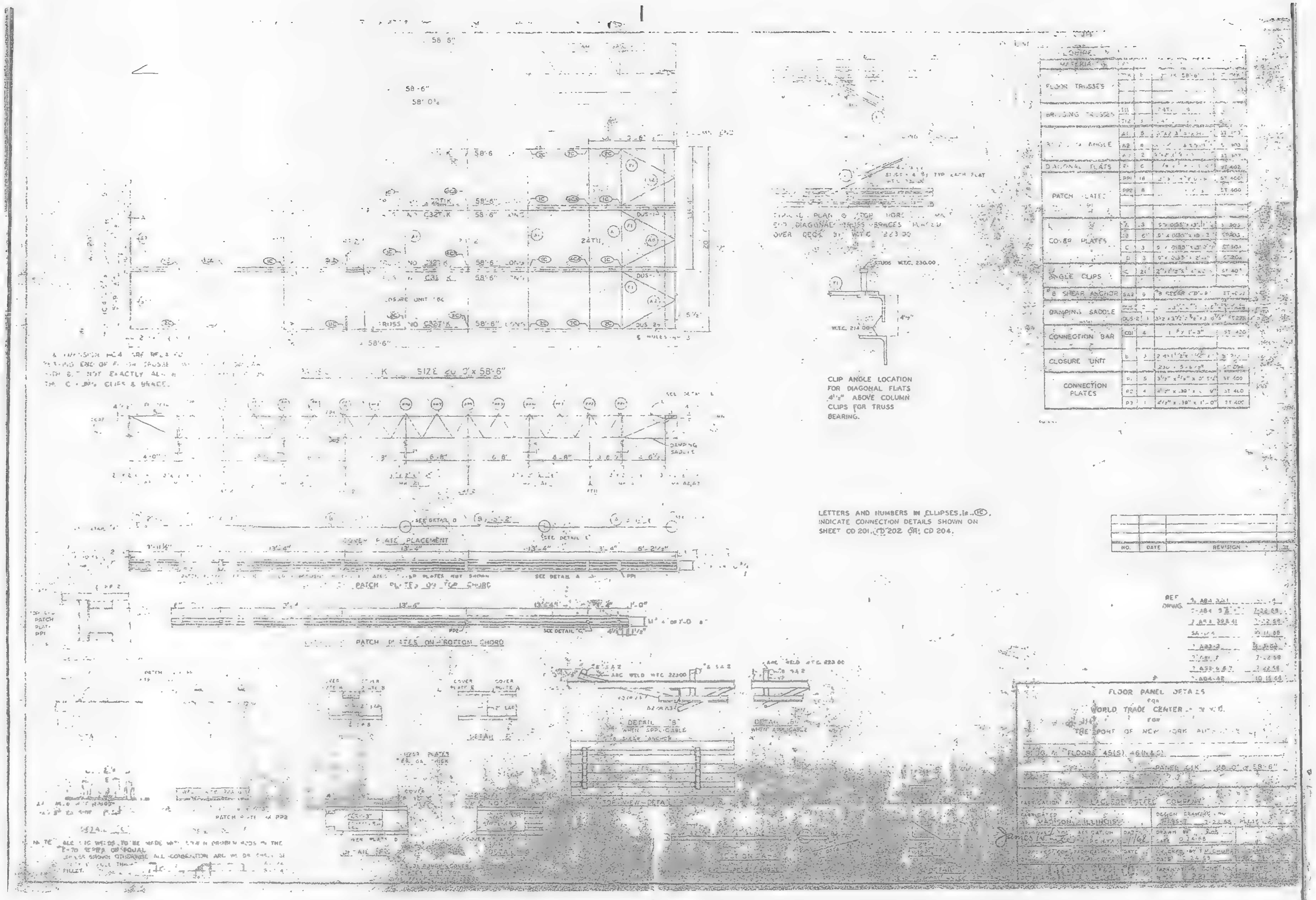

REQUIRED MATERIAL
MATERIAL
SIZE
ANGLE CLIPS
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
PATCH PLATES
DAMPING SADDLE
SIZE 20'-0" x 59'-2"
COVER PLATE PLACEMENT
PATCH PLATES ON TOP CHORD
PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS
ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
LETTERS AND NUMBERS IN ELLIPSES
INDICATE CONNECTION DETAILS SHOWN ON
SHEET CD 201
TOP VIEW DETAIL B
DETAIL E
NO.
DATE
REVISION
WORLD TRADE CENTER
BLDG. A FLOORS 47-48 (N & S), 70-71 (N)
59'-2"
FABRICATION BY LACLEDE STEEL COMPANY
MADISON ILLINOIS
DESIGN DRAWING NO.
APPROVED FOR FABRICATION
DATE
DRAWN BY
DATE 10 24 68
CHECKED BY T.M. CHURA
DATE 10-24-68
DETAILED BY



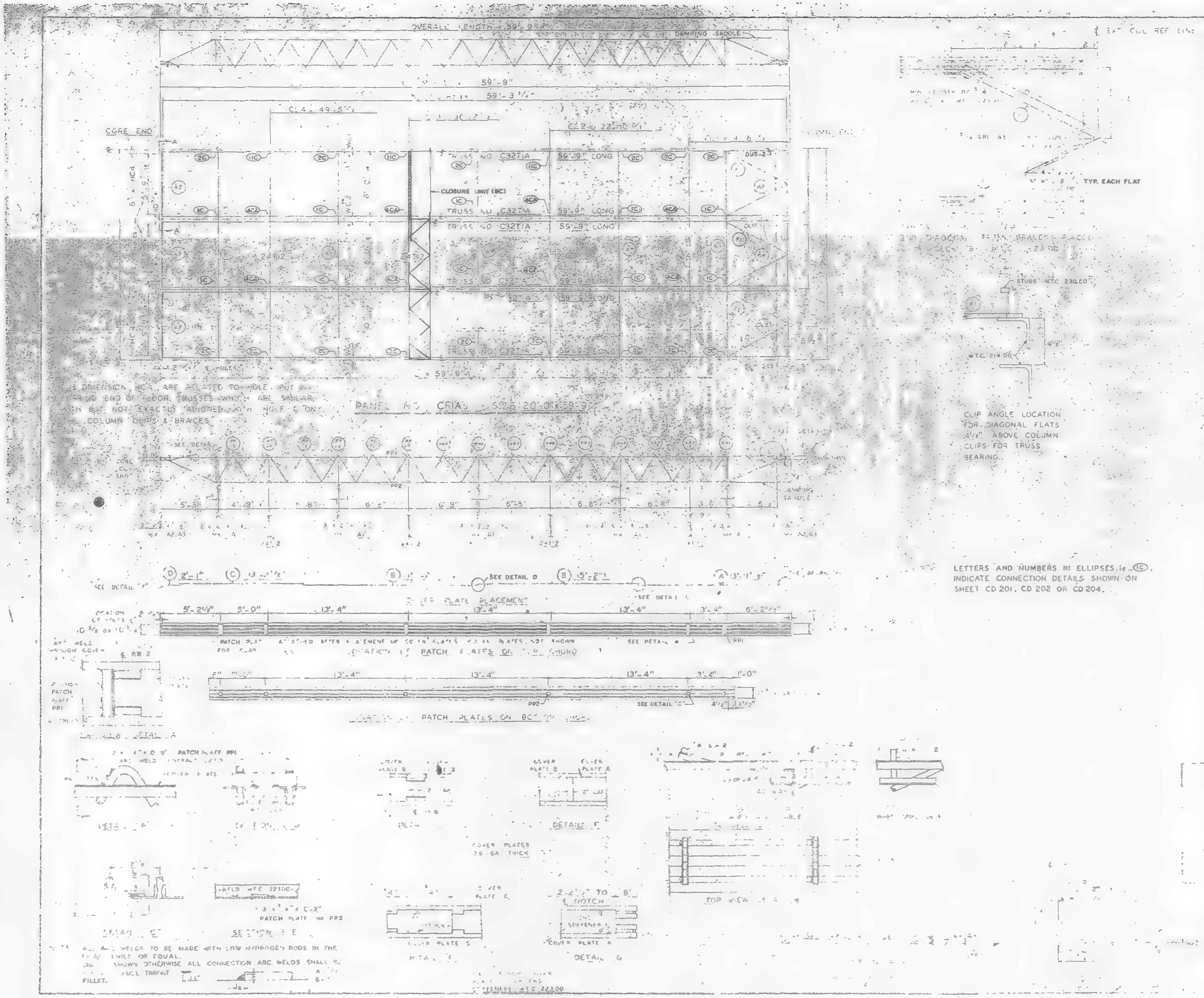
PANEL NO. C1G SIZE 20'-0" x 58'-11"
TRUSS NO. C32T1G 58'-11" LONG
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DAMPING SADDLE
DETAIL "B" WHEN APPLICABLE
DETAIL "F"
DETAIL "G"
TOP VIEW-DETAIL "B"
SECTION A-A
CONNECTION PLATES
CLOSURE UNIT
CONNECTION BAR
DAMPING SADDLE
ANGLE CLIPS
COVER PLATES
PATCH PLATES
NO. DATE REVISION
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOORS 39-40 (N&S)
PANEL C1G
LACLEDE STEEL COMPANY
DATE 10-24-68
CHECKED BY T.M. CHURAT
DATE 10-24-68
LACLEDE STEEL CO.
FP C1G



C-H SIZE 20'-0 x 58'-8"
PLATE PLACEMENT
PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
NO. | DATE | REVISION
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOORS 79-80(N)
PANEL C-H 20'-0" x 58'-8"
MADISON, ILLINOIS



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4'-5" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
FLOOR TRUSSES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
COVER PLATE PLACEMENT
PATCH PLATES ON BOTTOM CHORD
NO.
DATE
REVISION
FLOOR PANEL DETAILS
WORLD TRADE CENTER
MADISON, ILLINOIS

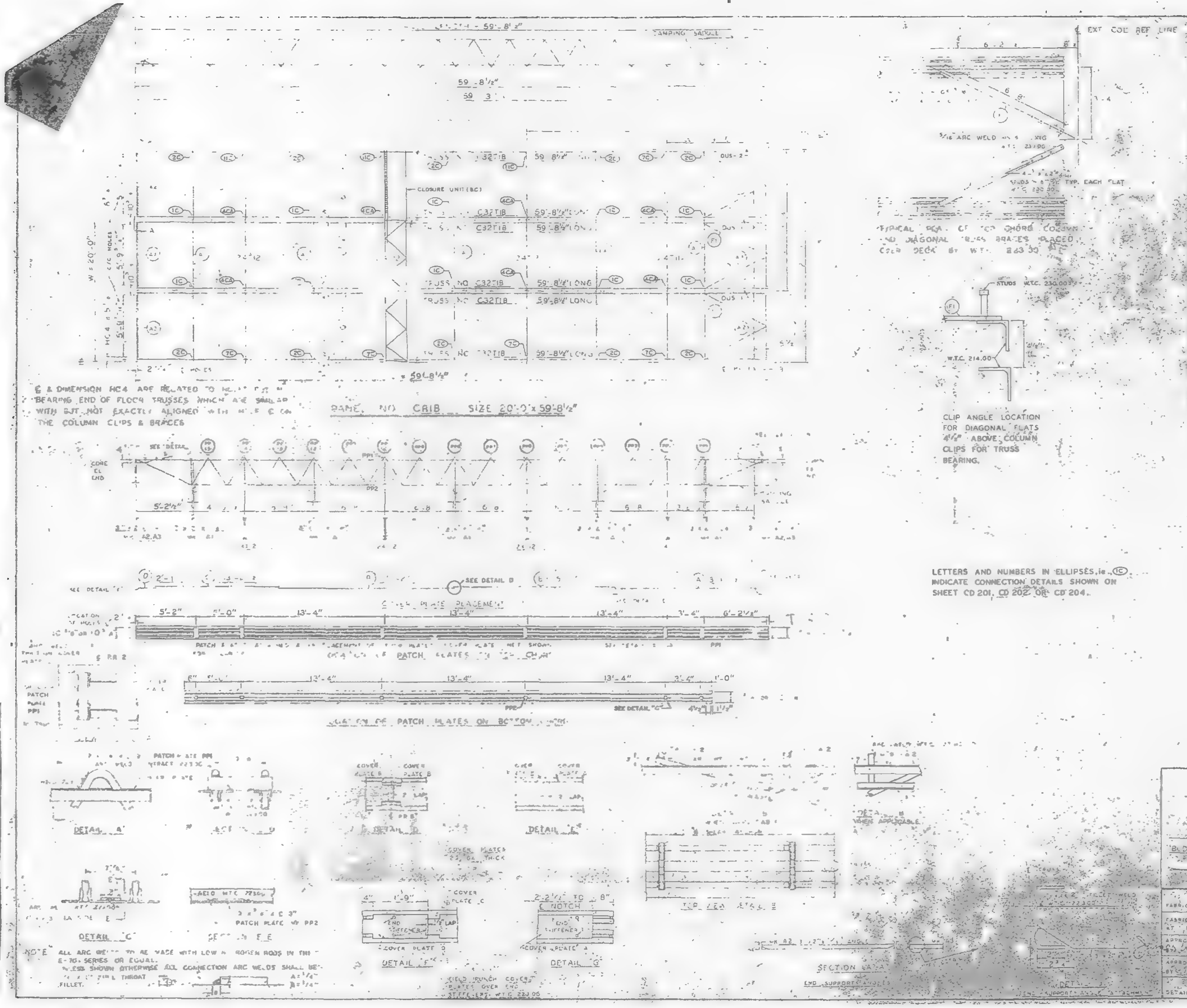


REQUIRED MATERIAL FOR PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
[illegible]		6	[illegible] 59'-9"	[illegible]
[illegible]		3	[illegible]	BT 212
[illegible]		[illegible]	[illegible]	ST 403
[illegible]		[illegible]	[illegible]	ST 403
[illegible]		[illegible]	[illegible]	ST 403
[illegible]		[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES		3	[illegible]	[illegible]
		6	[illegible]	[illegible]
		3	[illegible] .0135 x 13'-2 1/2"	ST 303
		3	[illegible] 2'-1"	[illegible]
ANGLE CLIP		21	[illegible]	ST 400
SHEAR ANCHOR	SA2	12	REBAR x 0'-9"	ST 400
DAMPING SADDLE	[illegible]	2	[illegible] 6 7/8	[illegible]
	[illegible]	2	[illegible] 6 7/8	[illegible]
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1/2" x 1 1/4" x	BT 2.2
			230 x 5' 6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

[illegible]	7-17-68	GENERAL	
NO.	DATE	REVISION	BY

CRIA



LETTERS AND NUMBERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T18	6	C32T18 - 59'-8½"	ST 201B
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	ST 210
	T12	3	24T12 - 9'-10	ST 212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 8'-0"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x¼"x 5'-[illegible]	ST 403
DIAGONAL FLATS	F	6	1½"x ⅝"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x ¼"x 0'-8"	ST 400
	PP2	6	3"x ⅜"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11½"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 13'-2½"	ST 303
	D	3	9"x .0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x 1½"x ¼"x 0'-6"	ST 400
SHEAR ANCHOR	SA2	12	6 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS1	2	3½"x 3½"x ⅜"x 3'-8⅞"	ST 298
	DUS-2	1	3½"x 3½"x ⅜"x 3'-8⅞"	ST 298
CONNECTION BAR	CB1	4	1"Φ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4 ½"x 1¼"x	ST 212
			230 x 6'-8½"	CD 204
CONNECTION PLATES	P1	5	3½"x ⅜" x 0'-8½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF. DWG

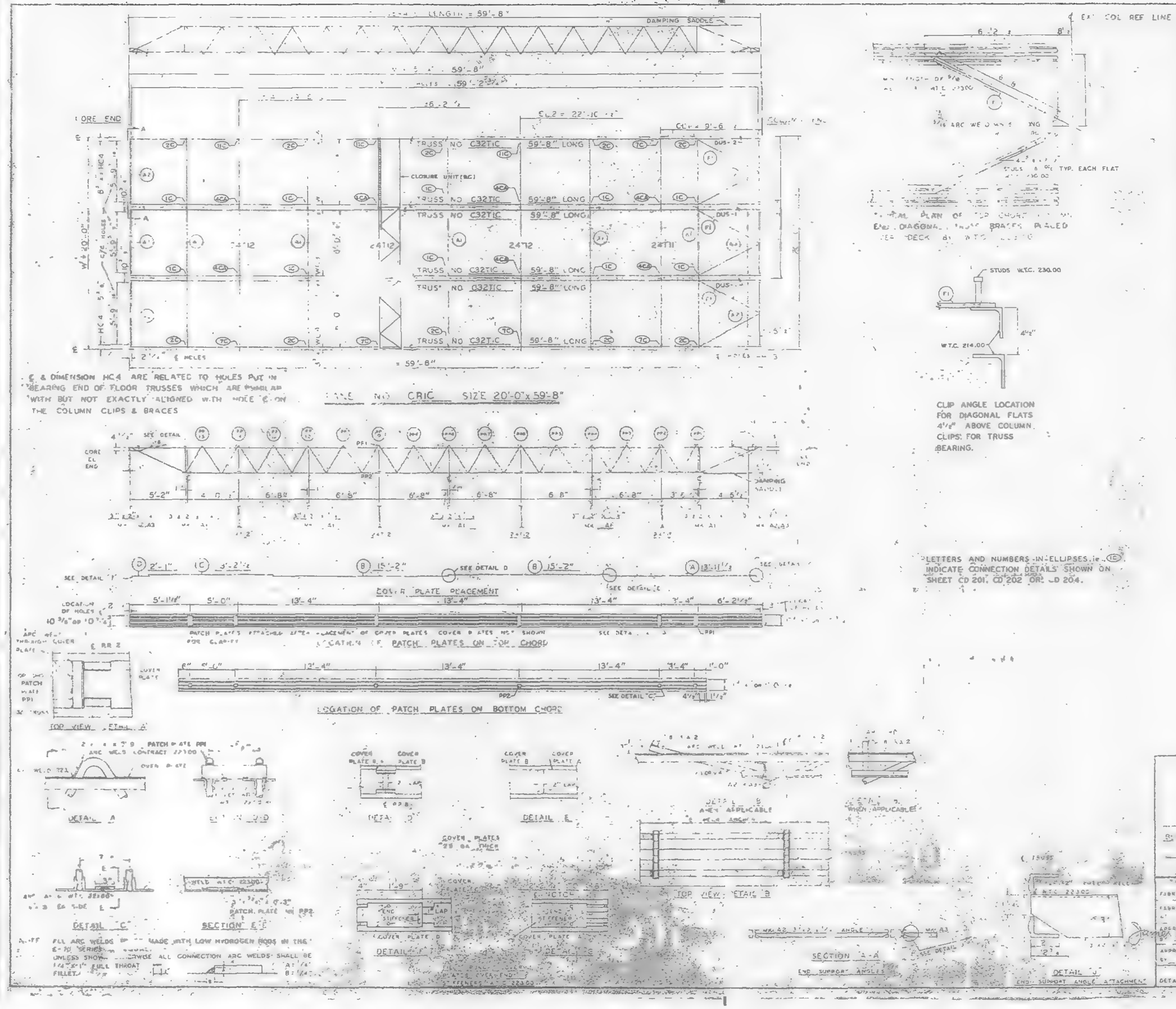
7-AB4-41 7-22-68
5A-24 10-11-65
7-AB3-2 1-3-68
7-AB1-2 7-22-68
7-AB2-5 & 7 7-22-68
7-AB4-42 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 83-91 & 93-106 (N)

PANEL CRIB 20'-0" x 59'-8½"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-8 7-22-68
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 11/1/68
DRAWN BY DATE OCT 23 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY DATE OCT 23 1968
DETAILED BY
FABRICATION CONTRACT NO. WTC 221
SHEET NO. FP/CR 8



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1C	6	C32T1C - 59'-8"	ST201C
BRIDGING TRUSSES	T11	1	24T-11 - 19'-11"	ST211
	T12	3	24T12 - 19'-11"	ST212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11[illegible]	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x ⅜"x 8'-8"	ST 402
PATCH PLATES	PP1	18	2"x ¼"x 0'-9"	ST 400
	PP2	18	3"x ⅜"x 0'-3"	ST 400
COVER PLATES	A	3	9"x 0135"x 13'-11½"	ST303
	B	6	9"x 0135"x 5'-2"	ST303
	C	3	9"x 0135"x 13'-2½"	ST303
	D	3	9"x 0135"x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1½"x¼"x0'-6"	ST 400
#9 SHEAR ANCHOR	SA2	12	#9 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 2"x3½"x⅜"x3'-8⅞"	ST298
	DUS2	1	3 2"x3½"x⅜"x3'-8⅞"	ST298
CONNECTION BAR	CB	4	1"⌀ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4x1½"x1¼"x	ST212
			.230 x 6'-6½"	CD204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .38" x 0'-9"	ST 400
	P3	1	4½" x .38" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

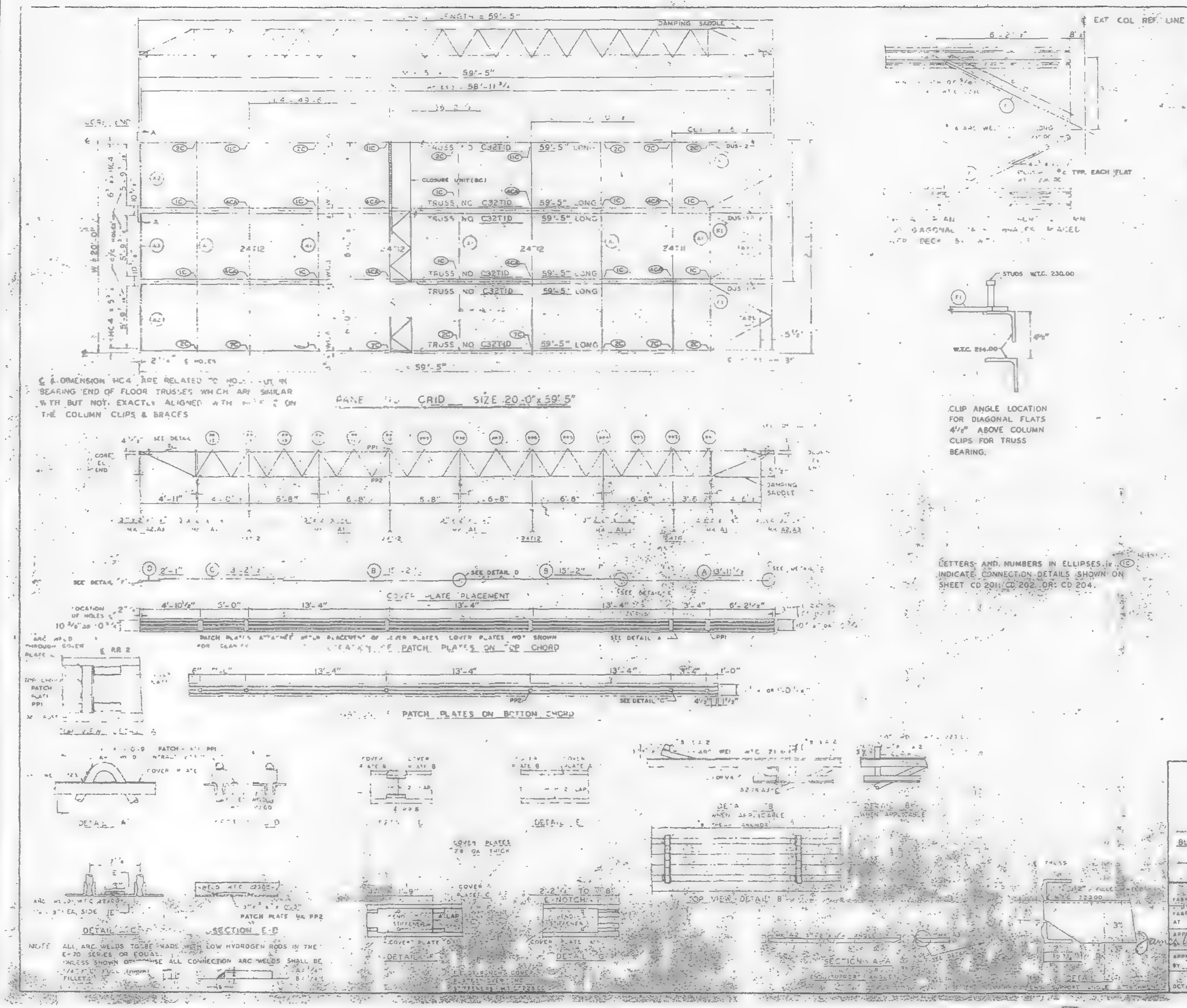
REF DRWG

7-AB4 3,31	1-3-68
7-AB4 15,16 & 39	7-22-68
7-AB4 41	7-22-68
SA 124	10-11-68
7-AB3-7	1-3-68
7-AB4 2	7-22-68
7-AB4 5 6 7	7-22-68
7-AB4-42	10-22-68

PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 49-58, 60-66, 68-74, 79-91 & 93-106 (S)
PANEL CRIC 20'-0" x 59'-8"

FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3 8 7-22-68
APPROVED FOR FABRICATION BY [illegible] FOR PONYA — DATE 11/1/68
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY T.M. CHURA DATE OCT 23, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP C6



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T10	6	C32T10 59'-5"	ST2010
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3 x 2" x ¼" ANGLE	A1	5	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F	6	1½"x 5/16" x 6'-6"	ST 402
PATCH PLATES	PP1	18	2"x¼"x 0'-9"	ST 400
	PP2	18	3"x ⅛"x 0'-3"	ST 400
COVER PLATES	A	3	9"x.035 x 13'-1½	ST303
	B	6	9"x.035"x 15'-2	ST303
	C	3	9"x.035"x 13'-2½	ST303
	D	3	9"x.035"x 2'-1"	ST303
ANGLE CLIPS	C	21	2"x1½"x¼"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3½"x3½"x¾"x3'-6⅞"	ST295
	DUS 2	1	3½x3½"x⅜"x3'-6⅞"	ST295
CONNECTION BAR	CN	4	1"ø x 1'-3"	ST 400
CLOSURE UNIT	2C	3	2"x1½"x1¾"x 230 x 6'-6½"	BT212 CD204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, ie (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.

NO.	DATE	REVISION	BY

REF. DRWG

7-AB4-3,2,1	1-3-68
7-AB4-5,16,5,38	7-22-68
7-AB4-41	7-22-68
SA 24	10-11-68
7-AB3-2	3-68
7-AB-2	7-22-68
7-AB-5,6,7	7-22-68
7-AB4-42	10-22-68

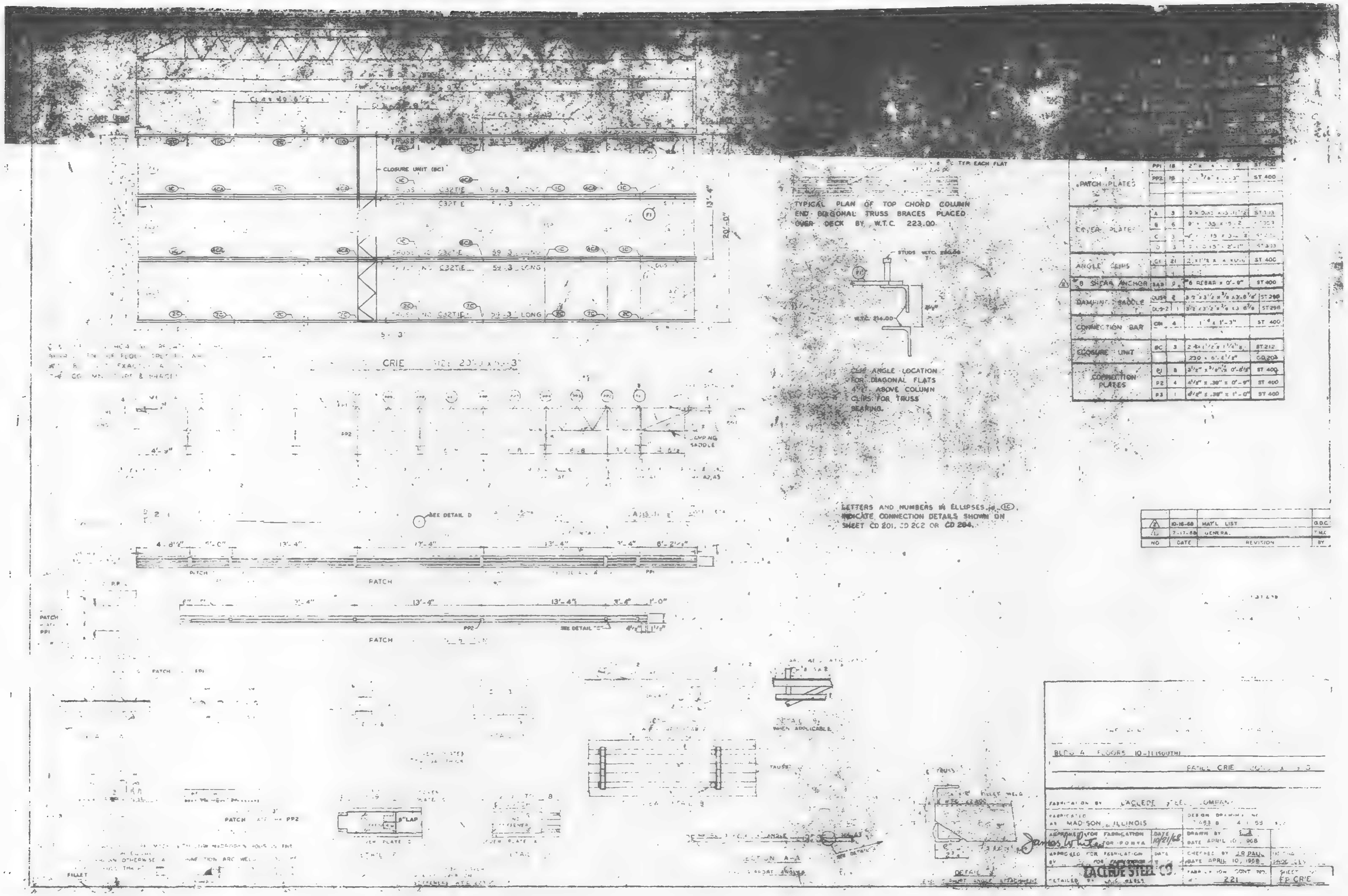
PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 81-82 (N)

PANEL GRID 20'-0" x 59'-5"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-8 7-22-68
APPROVED FOR FABRICATION James White FOR PONYA DATE 11/1/68
DRAWN BY DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY DATE OCT 23, 1968
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. 221
SHEET NO. FP CR

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FILLETS.



PATCH PLATES	PP1	18	2" x 4 ... 9	ST 400
	PP2	18	... 3/8" ... 3"	ST 400
COVER PLATES	A	3	9 x 0.35 x 5-11 1/2	ST 303
	B	6	9" x .35 x 5-2	ST 303
	C	3	... .15 x 3-...	[illegible]
	D	3	9 x 0.15 x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2 x 1 1/2 x 4 x 0-6	ST 400
#6 SHEAR ANCHOR	SAB	9	#6 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS	2	3 2 x 3 1/2 x 3/8 x 3-6 7/8	ST 298
	DUS-2	1	3 1/2 x 3 1/2 x 3/8 x 3 6 7/8	ST 298
CONNECTION BAR	CH	4	1" x 1'-3"	ST 400
CLOSURE UNIT	8C	3	2 4 x 1 1/2 x 1 1/4 x	ST 212
			230 x 6'-6 1/2"	CD 203
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400

NO	DATE	REVISION	BY
2	10-16-68	MAT'L LIST	G.D.C.
1	7-17-68	GENERAL	T.M.K.

BLDG A FLOORS 10-11 (SOUTH)

PANEL CRIE

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO.

APPROVED FOR FABRICATION FOR P.O.N.Y.A. — DATE 10/21/68 — James White

DRAWN BY — DATE APRIL 10, 1968

APPROVED FOR FABRICATION BY — FOR — DATE

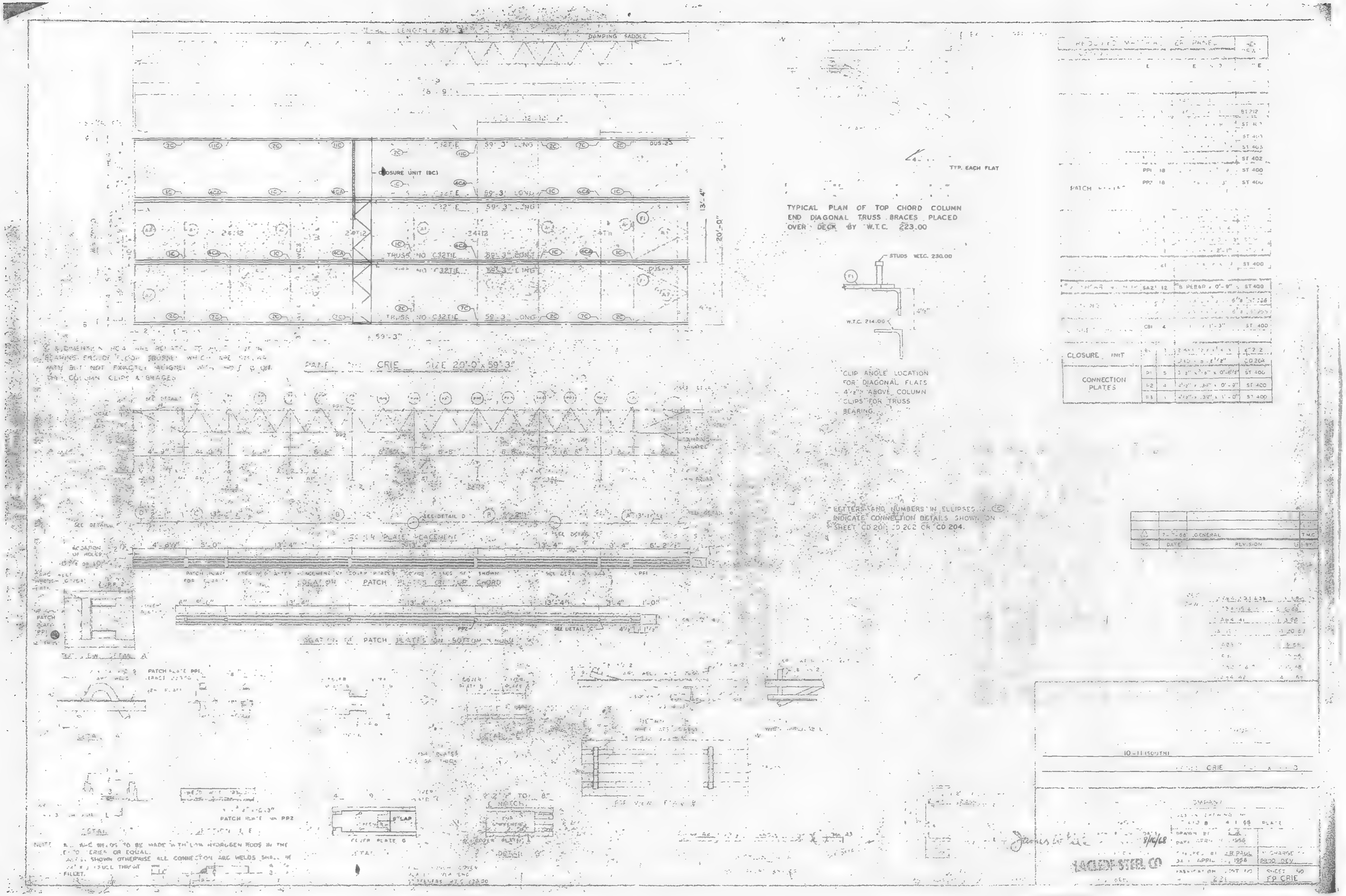
CHECKED BY J.R. PAUL — DATE APRIL 10, 1968

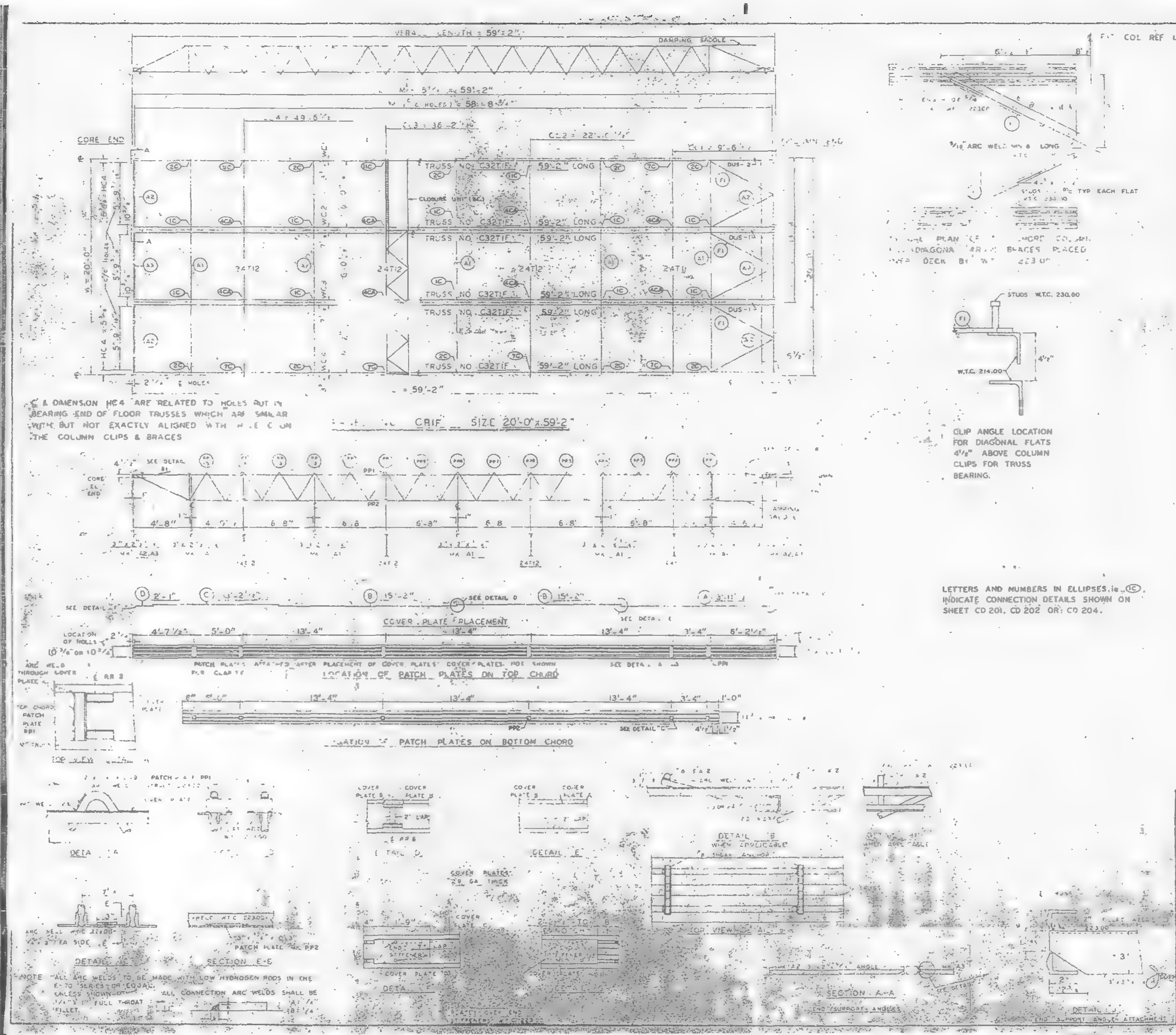
LACLEDE STEEL CO.

DETAILED BY

FABRICATION CONT. NO. 221

SHEET NO. FP CRIE


DAMPING SADDLE
CLOSURE UNIT (8C)
TYP. EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
CLOSURE UNIT
CONNECTION PLATES
SEE DETAIL D
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
GENERAL
REVISION
PATCH PLATE PPI
PATCH PLATE PP2
LACLEDE STEEL CO
CRIE



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	6	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	ST211
	T12	3	24T12 - 19'-1"	ST212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 10'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	5	1½"x ⅝"x 6'-⅝"	ST 402
PATCH PLATES	PP1	16	2"x ¼"x 0'-9"	ST 400
	PP2	18	3"x ¾"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11½"	ST303
	B	6	9"x .0135"x 15'-2"	ST303
	C	3	9"x .0135"x 13'-2½"	ST303
	D	3	9"x .0135"x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x 1½"x ¼"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS 1	2	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
	DUS 2	1	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1½"x 1¼"x .230 x 6'-6½"	ST 212 / CD 204
CONNECTION PLATES	P1	5	3½"x ⅜"x 0'-6½"	ST 400
	P2	4	4½"x .38"x 0'-9"	ST 400
	P3	1	4½"x .38"x 1'-0"	ST 400

NO.	DATE	REVISION	BY

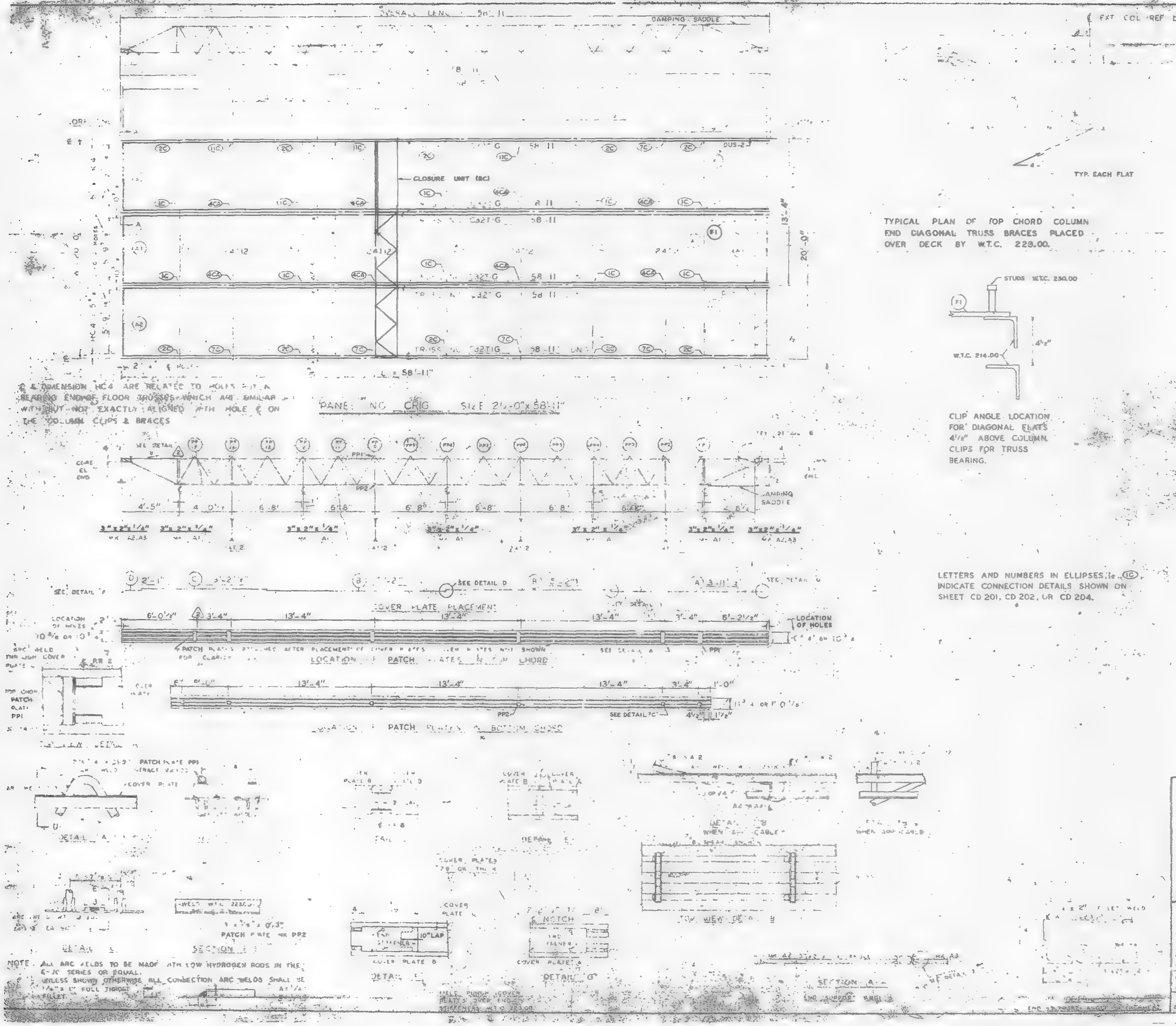
7-AB4-5,36 & 39	7-22-68
7-AB4-41	7-22-68
SA-24	10-11-68
7-AB3-2	[illegible]
7-48	7-22-68
7-AB4-5 & 7	7-22-68
7-AB4-42	10-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 47-48 (S) 47-48, 70-71 (N)

PANEL GRIF 20'-0" x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3 8 7-22-68 PLATE
APPROVED FOR FABRICATION FOR PONYA — DATE 11/1/68
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY T.N. CHURA DATE OCT 23, 1968
IN CHARGE PROD. DEV.
DETAILED BY A.S. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP GRIF



REQUIRED MATERIAL [illegible] PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIG	6	C32TIG - 58'-11"	T2TIG
[illegible] TRUSS [illegible]	[illegible]	[illegible]	24T [illegible]	[illegible]
	T12	3	24T12 - 19'- [illegible]	BT212
[illegible] ANGLE	A1	5	3"x2"x1/4"x [illegible]	ST 403
	A2	4	3 x 2 x 1/4 x 5 [illegible]	ST 403
	A3	2	3 x 2 x 1/4 x 5 [illegible]	ST 403
[illegible]	F	6	[illegible] 5-6	ST 102
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] 0-3"	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	[illegible] x 0.35 x 5 2	[illegible]
	C	3	9 x 0.35 x 3 2	[illegible]
	D	3	9 x 0.35 x 2' [illegible]	ST303
ANGLE CLIPS	C1	24	2"x1 1/2 x [illegible] 6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 [illegible] x 0'-8"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2 x 3 1/2 x 3/8 x 3 6 7/8	[illegible]
	DUS 2	1	3 1/2 x 3 1/2 x 3/8 x 3 6 7/8	[illegible]
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4 x 1 1/2 x 1 1/4 x 230 x 6'- 2 1/2"	BT 212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/4"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-8-68	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.L.

REF. DRWG

7-AB4 3	10-15-68
7-AB4 [illegible]	7-22-68
7-AB4 41	7-22-68
[illegible]	[illegible] 6-69
7-AB3 2	[illegible] 9-68
[illegible] 2	7-22-68
[illegible]	7-22-68
7-AB4 42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

[illegible] 39 (NORTH & SOUTH) 40 (SOUTH) [illegible] (NORTH)

PANEL CRIG [illegible] 58'-11"

BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST) (2)

FABRICATION BY [illegible] STEEL COMPANY

DESIGN DRAWING NO 7-AB3 8

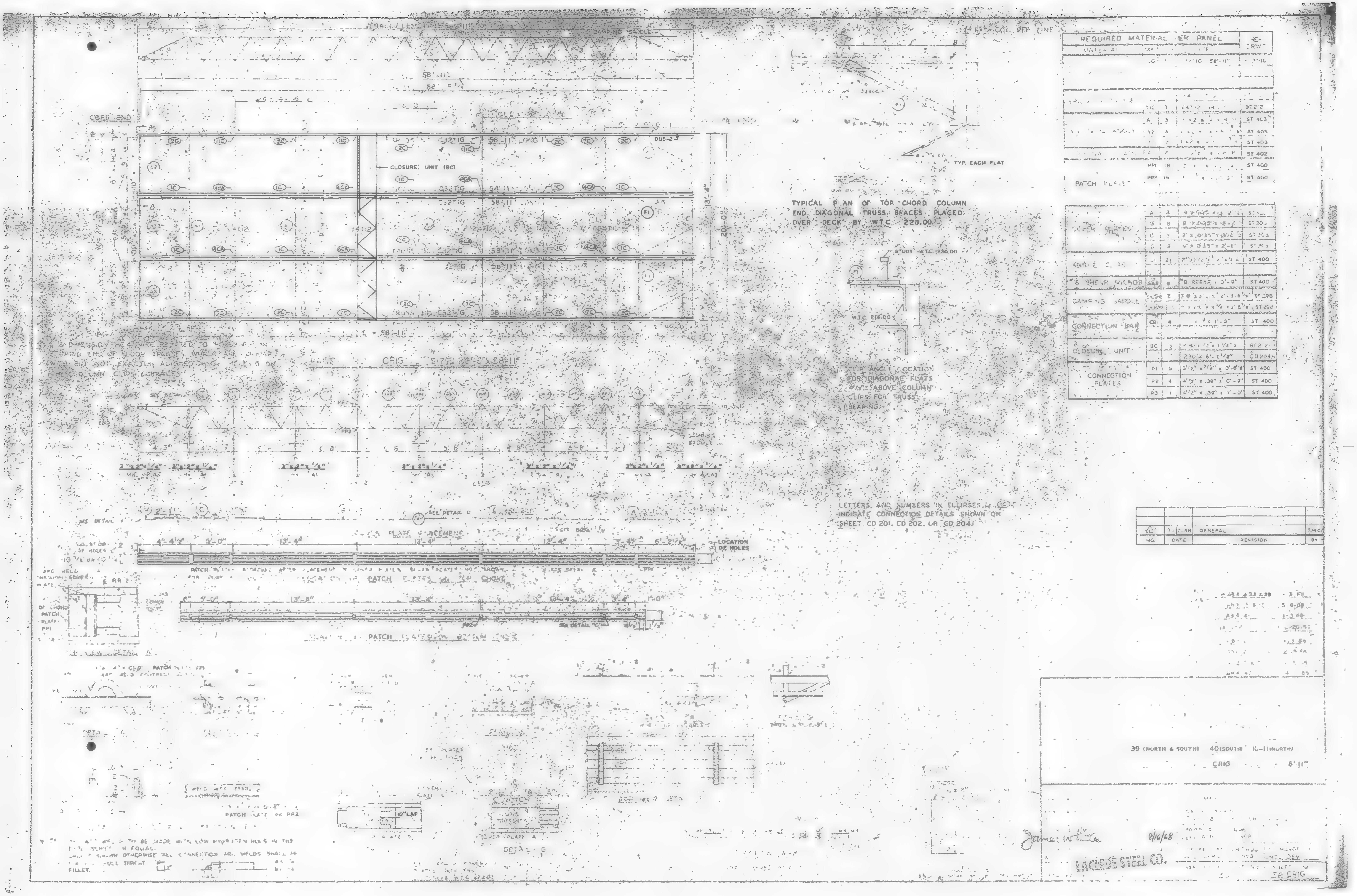
DRAWN BY [illegible] DATE APRIL 10, 1968

CHECKED BY J.R. PAUL DATE APRIL 10, 1968

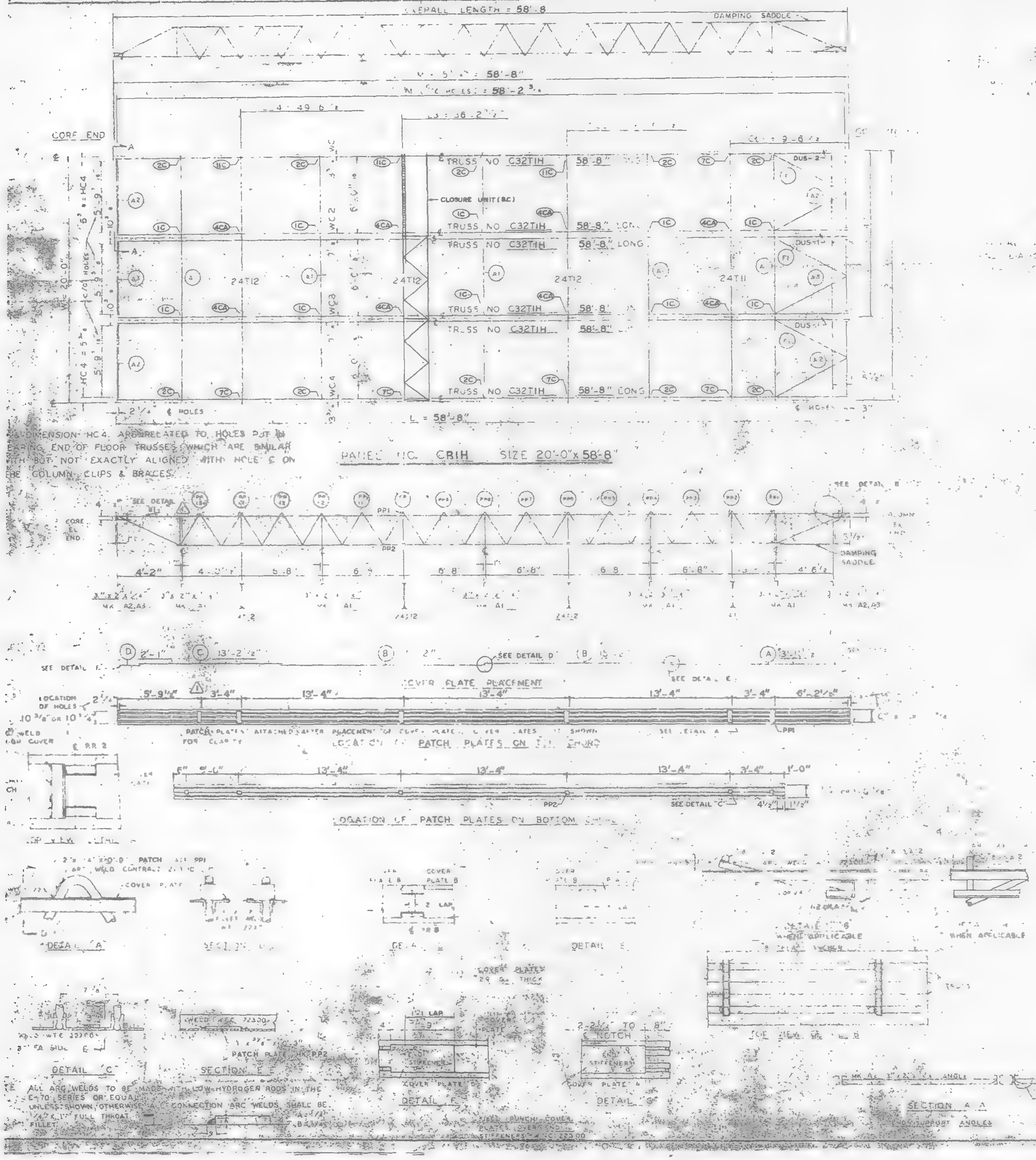
DETAILED BY A.C. WEBER

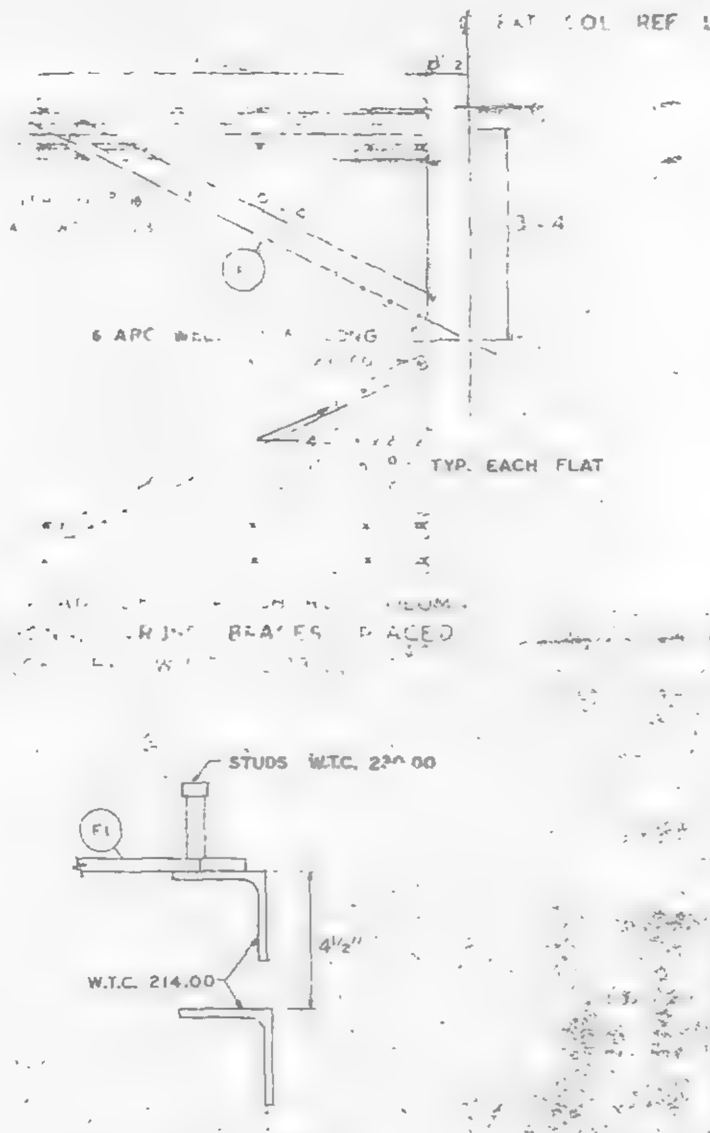
FABRICATION CONT. NO. [illegible]

SHEET NO. FP-CRIG



REQUIRED MATERIAL PER PANEL
PATCH PLATES
CLOSURE UNIT
CONNECTION BAR
CONNECTION PLATES
CLOSURE UNIT (BC)
TYP. EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN END. DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CRIG
LOCATION OF HOLES
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.
GENERAL
NO. DATE REVISION
10" LAP
39 (NORTH & SOUTH) 40(SOUTH)
8'-11"
8/16/68
LACLEDE STEEL CO.





CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	6	C32T1H - 58'-8"	ST201H
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x¼" ANGLE	A1	5	3"x2"x¼"x 1'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x ⅝"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x ¼"x 0'-9"	ST 400
	PP2	18	3"x ⅜"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11½"	ST303
	B	6	9"x .0135"x 15'-2"	ST303
	C	3	9"x .0135"x 13'-2½"	ST303
	D	3	9"x .0135"x 2'-1½"	ST303
ANGLE CLIPS	C1	21	2"x1½"x ¼"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x ⅜"x3'-6⅞"	ST298
	DUS-2	1	3½"x3½"x ⅜"x3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CLOSURE UNIT	BC	3	24 x 1½"x ¼"x	ST212
	[illegible]	[illegible]	230 x 6'-6½"	CD204
CONNECTION PLATES	P1	5	3½"x ⅜"x 0'-6½"	ST 400
	P2	4	4½"x .39"x 0'-9"	ST 400
	P3	1	4½"x .39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	GDC

1 REF DRWG		
	7-AB4-3	10-15-68
	7-AB4-15,16 & 39	7-22-68
	7-AB4-41	7-22-68
	SA-124	1-69
	7-AB3-2	4-3-68
	7-AB1-2	7-22-68
	7-AB2-6 & 7	7-22-68
	7-AB4-42	10-15-68

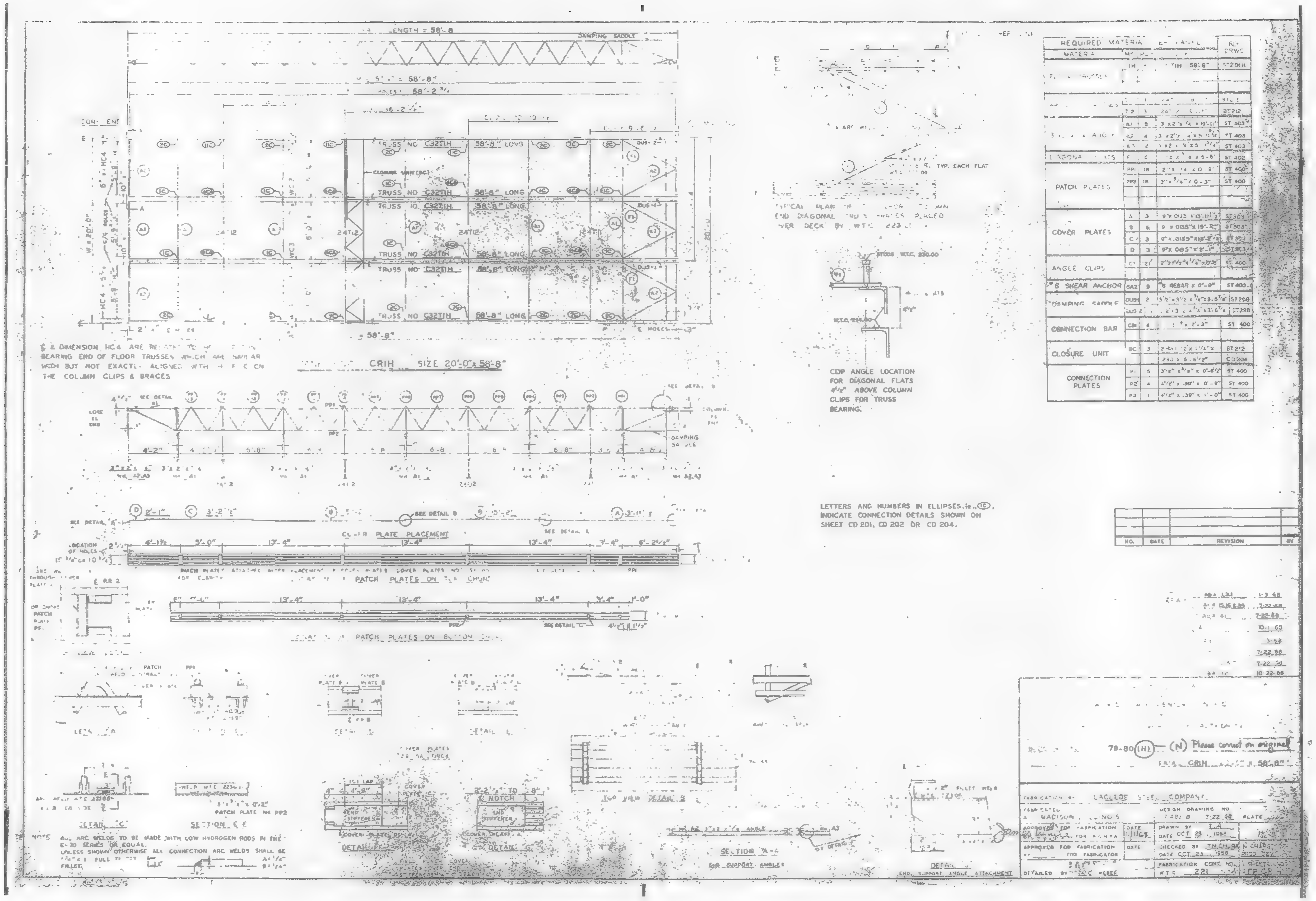
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 79-80 (N)

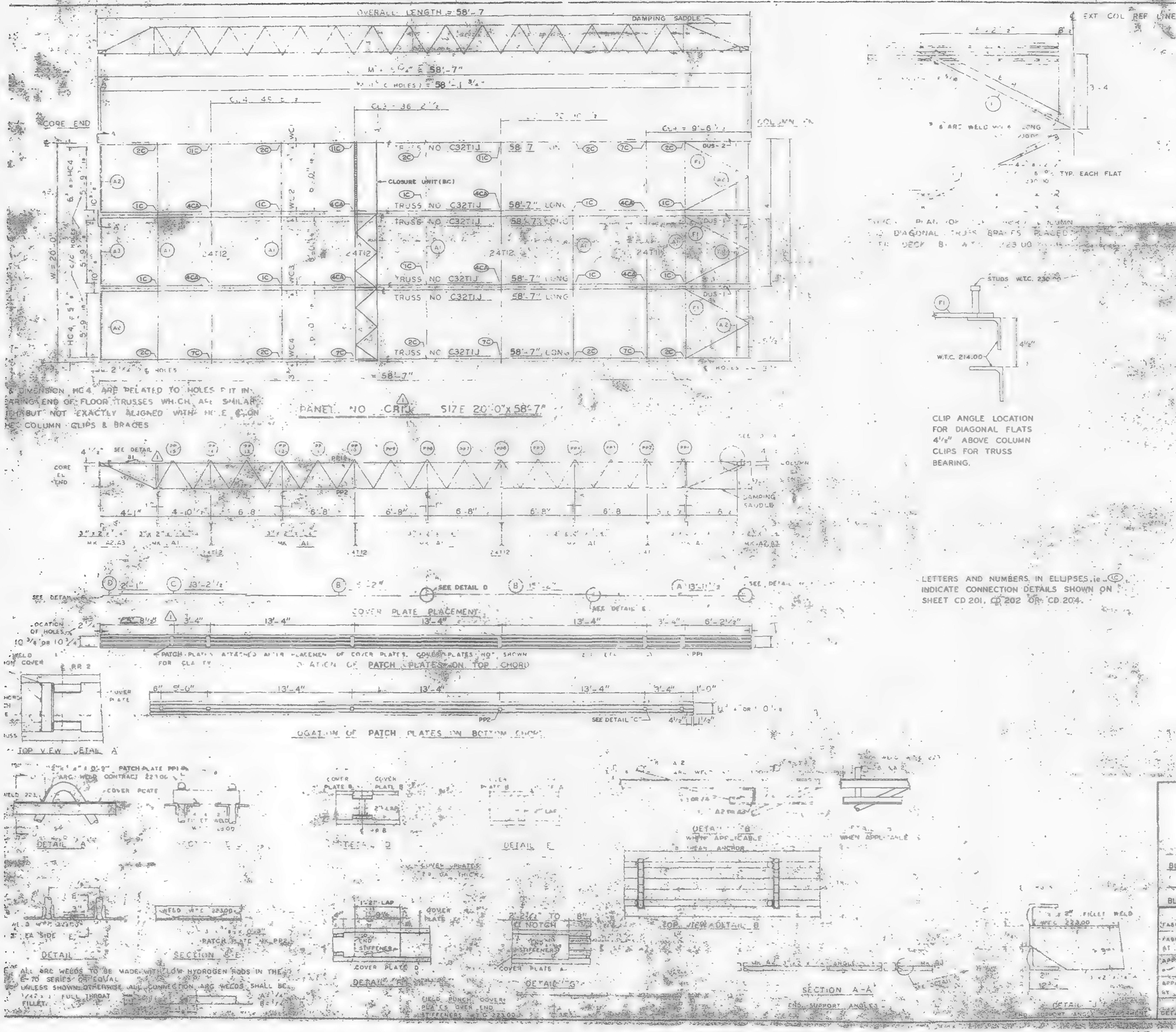
PANEL CR1H - 20' x 58'-8"

BLDG. B FLOORS 79-80 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS.
DESIGN DRAWING NO. 7-AB3-8 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY DATE OCT 23, 1968
APPROVED FOR FABRICATION FOR FABRICATOR DATE
CHECKED BY DATE OCT 23, 1968
DETAILED BY
FABRICATION CONT. NO. 22
SHEET CR1H



REQUIRED MATERIAL				REF DRWG
MATERIAL	MK			
FLOOR TRUSSES	IH		58'-8"	ST201H
	T2	3	24"	BT212
ANGLES	A1	5	3 x 2 x 1/4 x 19'-11"	ST 403
	A2	4	3 x 2" x 1/4 x 5	ST 403
	A3	2	3 x 2 x 1/4 x 5	ST 403
DIAGONAL FLATS	F	6		ST 402
PATCH PLATES	PP1	18	2" x 1/4 x 0-9"	ST 400
	PP2	18	3" x 5/8" x 0-3"	ST 400
COVER PLATES	A	3	9" x .0135 x 13'-11 1/2"	ST303
	B	6	9 x .0135" x 13'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2 x 3 1/2 x 3/8" x 3-8 7/8"	ST 258
	DUS 2		x 3/8" x 3'-8 7/8"	ST 258
CONNECTION BAR	CB1	4	x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1/2" x 1 1/4" x	BT 212
			230 x 6 - 6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1J	6	C32T1J - 58'-7"	ST 15 JA
BRIDGING TRUSSES	T11	1	24T11 - 19'...	BT 211
	T12	3	24T12 x 19'-11"	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 18'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 5'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 5/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 302
	B	6	9" x .0135" x 15'-2"	ST 302
	C	3	9" x .0135" x 12'-2 1/2"	ST 302
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	1	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
5/8 SHEAR ANCHOR	SA3	9	#5 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6"	ST 232
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 233
CONNECTION BAR	CB1	4	1 1/2" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2 x 1 1/2 x 1/4 x 230' x 6'-6 1/2"	BT 212
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

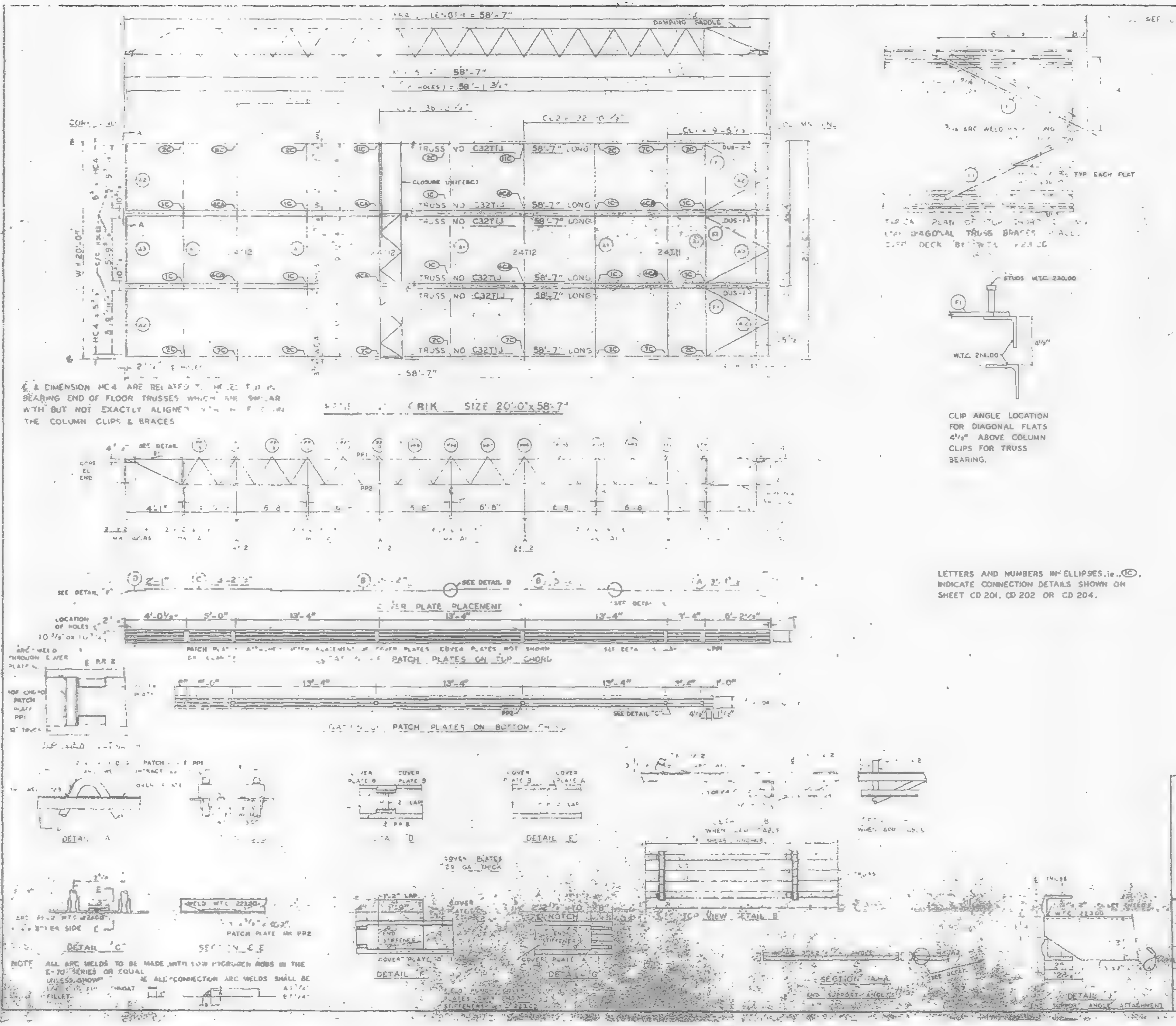
REF. DRWG. (1)

7-AB4-3	10-15-69
7-AB4-15, 16 & 39	7-22-68
7-AB4-41	7-22-68
SK-124	[illegible] 69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40 (N)
PANEL CRIJ - 20'-0" x 58'-7"
BLDG. B FLOORS 40 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-8
APPROVED FOR FABRICATION ... FOR PONYA DATE 1/2/70
DRAWN BY ... DATE OCT 23, 1968
APPROVED FOR FABRICATION BY ... FOR FABRICATOR
CHECKED BY ... TM CHUB DATE OCT 23, 1968
DETAILED BY ...



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TJ	5	32TJ - 58'-7"	ST210
BRIDGING TRUSSES	T11	1	24T11 - 19' [illegible]	ST211
	T12	3	24T12 - 19'-1"	ST212
ANGLE	A1	5	3 x 2 x ¼ x 18'-11"	ST 403
	A2	4	3 x 2 x ¼ x 5'-[illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL FLATS	F	4	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	2	[illegible]	ST 400
COVER PLATES	[illegible]	3	[illegible]	[illegible]
	B	[illegible]	[illegible]	[illegible]
	[illegible]	3	[illegible]	[illegible]
	[illegible]	3	[illegible]	[illegible]
ANGLE CLIPS	[illegible]	[illegible]	[illegible]	ST 400
#8 SHEAR ANCHOR	SA21	9	[illegible] x 0'-9"	ST 400
DAMPING SADDLE	DUS 1	2	[illegible]	ST256
	DUS 2	1	[illegible]	ST233
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	[illegible]	BT212
			230 x 6'-6½"	CD204
CONNECTION PLATES	P1	5	3½" x ³⁄₈" x 0'-6½"	ST 400
	P2	4	4½" x .30" x 0'-0"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400

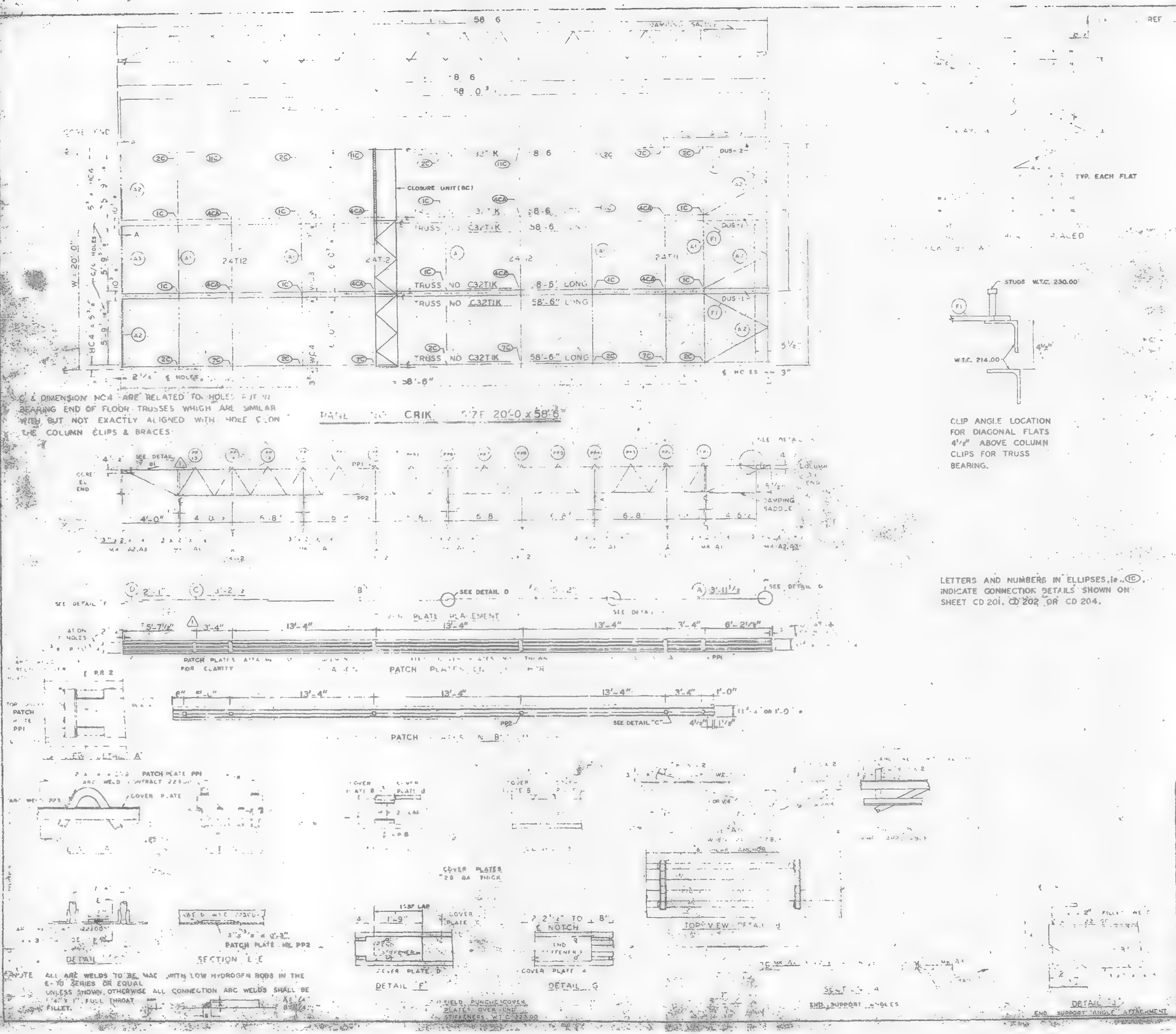
NO.	DATE	REVISION	BY

7-22-68
10-11-68
1-3-68
7-22-68
7-22-68
10-22-68

40 (N)

PANEL GRID 20'-0" x 58'-7"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3 6 7-22-68
APPROVED FOR FABRICATION FOR PCNTA DATE 11/1/68
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M.CHURA DATE OCT 23, 1968
DETAILED BY J.C. WEBER
FABRICATION CONT NO. A.T.C. 221



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL				
	K	6	32TIK 58-6	
	T12	3	24T12	ST 212
ANGLE	A1	5	3"x2"x¼"x 8'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-9/16	ST 403
	A3	2	3"x2"x¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½"x⅜"x 5'-8"	ST 402
PATCH PLATES	PP1	18	2"x¼"x 0'-9"	ST 400
	PP2	16	3"x⅜"x 0'-3"	ST 410
COVER PLATES	A	3	9"x.0135"x13'-11½"	ST 303
	B	6	9"x.0135"x 15'-2"	ST 303
	C	3	9"x.0135"x13'-2½"	ST 303
	D	3	9"x.0135"x [illegible]	ST 303
ANGLE CLIPS	C1	21	[illegible]	ST 400
8 SHEAR ANCHOR	SA2	9	8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x3½"x⅜"x3'-6⅞"	ST 398
	DUS-2	1	3½"x3½"x⅜"x3'-6⅞"	ST 398
CONNECTION BAR	CB1	4	[illegible]	ST 400
CLOSURE UNIT	BC	3	2 - 1½"x 1¼"x 230 x 6'-6½"	ST 212 CD 204
CONNECTION PLATES	P1	5	3½"x⅜"x 0'-6½"	ST 401
	P2	4	4½"x .30"x 0'-9"	ST 400
	P3	1	4½"x .30"x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-9-69	AS NOTED

7-AB4 41 — 7-22-68
7-AB3-2 — 3-68
7-AB4 42

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER N.Y.C. ... NEW YORK AUTHORITY

45-46 (S) 46(N)

PANEL CRIK 58'-6"

BLDG. B FLOORS 45 (EAST) 46 (EAST & WEST)

FABRICATED BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-B

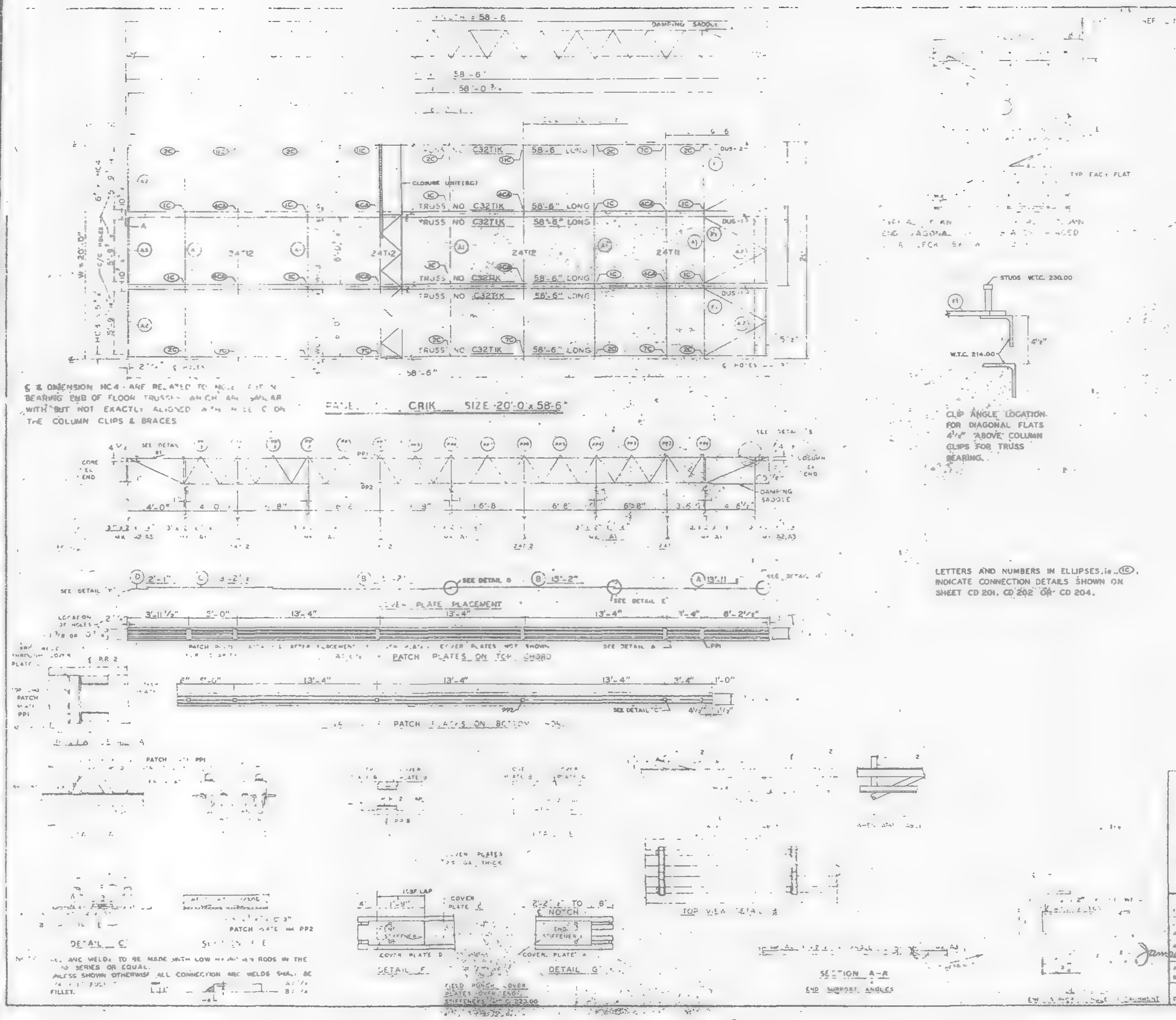
APPROVED FOR FABRICATION BY ... DATE

DRAWN BY ... DATE OCT 23

APPROVED FOR FABRICATION BY ... FOR FABRICATOR — DATE

CHECKED BY ... DATE OCT 23

DETAILED BY



STUDS W.T.C. 230.00

W.T.C. 214.00

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

MATERIAL	MK	NO.	SIZE	REF. DRWG
	K		C32TIK 58'-6	ST 201K
	2	3		ST 212
ANGLE	A1	5	3 x 2 x 1/4 x 5-...	ST 403
	A2	4	3 x 2 x 1/4 x 5-0 5/8	ST 403
	A3	2	3"x2"x1/4"x 5-0 3/4"	ST 403
DIAGONAL FLATS	F1	4	1/2" x 5/8" x 6-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0-9	ST 400
	PP2	18	3 x 3/8 x 0-3"	ST 400
COVER PLATES	A	3	9 x 0.135 x 13-11 1/2	ST 303
	B	6	9" x 0.135" x 15-2 1/2	ST 303
	C	3	9" x 0.135" x 13'-2 1/2	ST 303
	D	3	9 x 0.35" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3-8 7/8"	ST 295
	DUS 2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 295
CONNECTION BAR	CB1	4	1 3/8 x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4x1 1/2" x 1 1/4" x .230 x 8'-6 1/2"	ST 212 / CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

45-46 (S) 46(N)

CRIK 20 x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

AT MADISON, ILLINOIS

DESIGN DRAWING NO 7 483 8 7-22-68

APPROVED FOR FABRICATION — James White — DATE 11/1/68

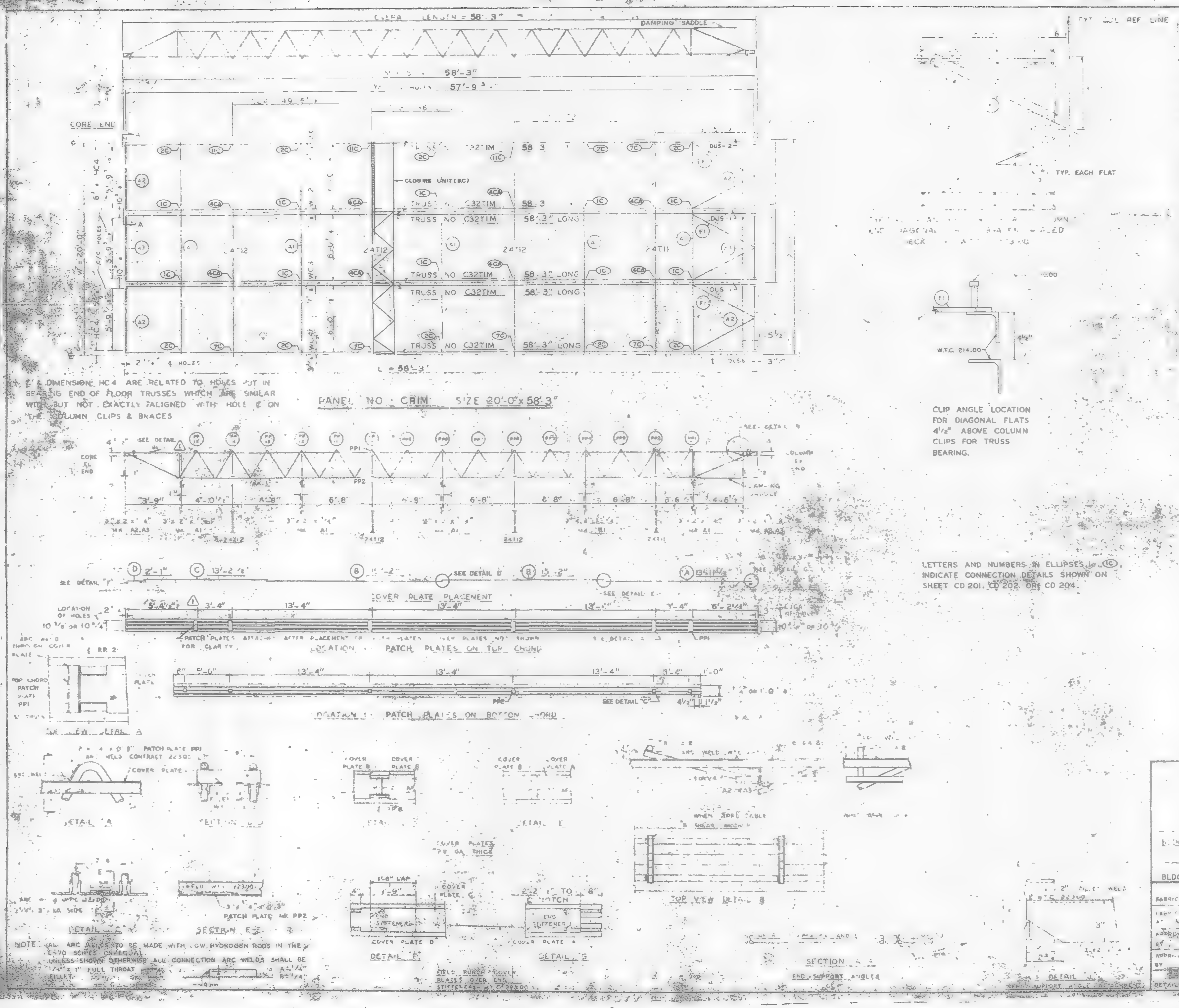
DRAWN BY — DATE OCT 23, 1968

CHECKED BY T.M.CHURA — DATE OCT 23, 1968

IN CHARGE OF PROD. DEV.

FABRICATION CONT NO. W.T.C. 221

SHEET NO. FB CRIK



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIM	6	C32TIM - 58'-3"	ST201M
BRIDGING TRUSSES	[illegible]	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3 1/2" x 2" x 1/4" ANGLE	A1	5	3 x 2 x 1/4" x 16-11"	ST 403
	A2	4	3" x 2" x 1/4 x 5'-11 1/8	ST 403
	[illegible]	2	3" x 2' x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4 x [illegible] 9	ST 400
	PP2	18	3" x [illegible] x [illegible] 3"	ST 400
COVER PLATES	A	3	9" x 0135 x [illegible]	ST 303
	B	6	9" x 0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2	ST 303
	D	3	9" x 0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2 x 1/4" x 0'-6"	ST 400
#5 SHEAR ANCHOR	SA2	9	#5 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3-6 7/8"	ST2[illegible]
	DUS-2	1	3 1/2' x 3 1/2" x 3/8" x 3-6 7/8	ST253
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1 1/2" x 1 1/4" x .230 x 5'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-9-69	AS NOTED

REF. DRWG.

AB4 3	10-15-68
AB4 15,16 & 39	7-22-68
AB4 41	7-22-68
SA 12 4	1-6-69
AB3 2	1-3-68
AB1 2	7-22-68
AB2 6 & 7	7-22-68
AB4 42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)

PANEL CRIM 20'-0" x 58'-3"

BLDG. B FLOORS 72-73 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8 PLATE

APPROVED FOR FABRICATION BY [illegible] DATE [illegible]

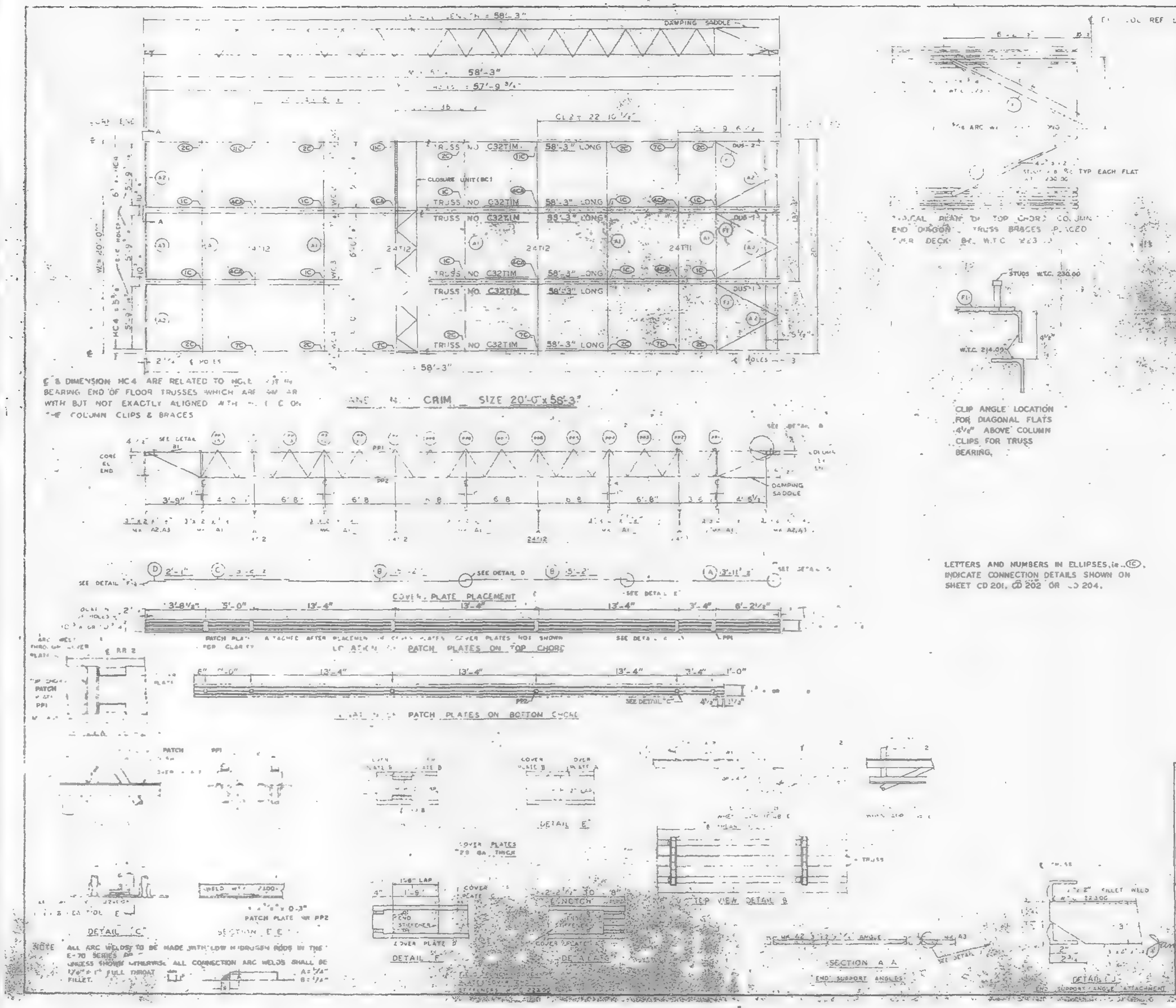
DRAWN BY [illegible] DATE OCT 23 1968

APPROVED FOR FABRICATION BY [illegible] DATE [illegible]

CHECKED BY T.M.C. DATE OCT 23 1968

DETAILED BY [illegible]

FABRICATION CONTRACT W.T.C.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/4" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

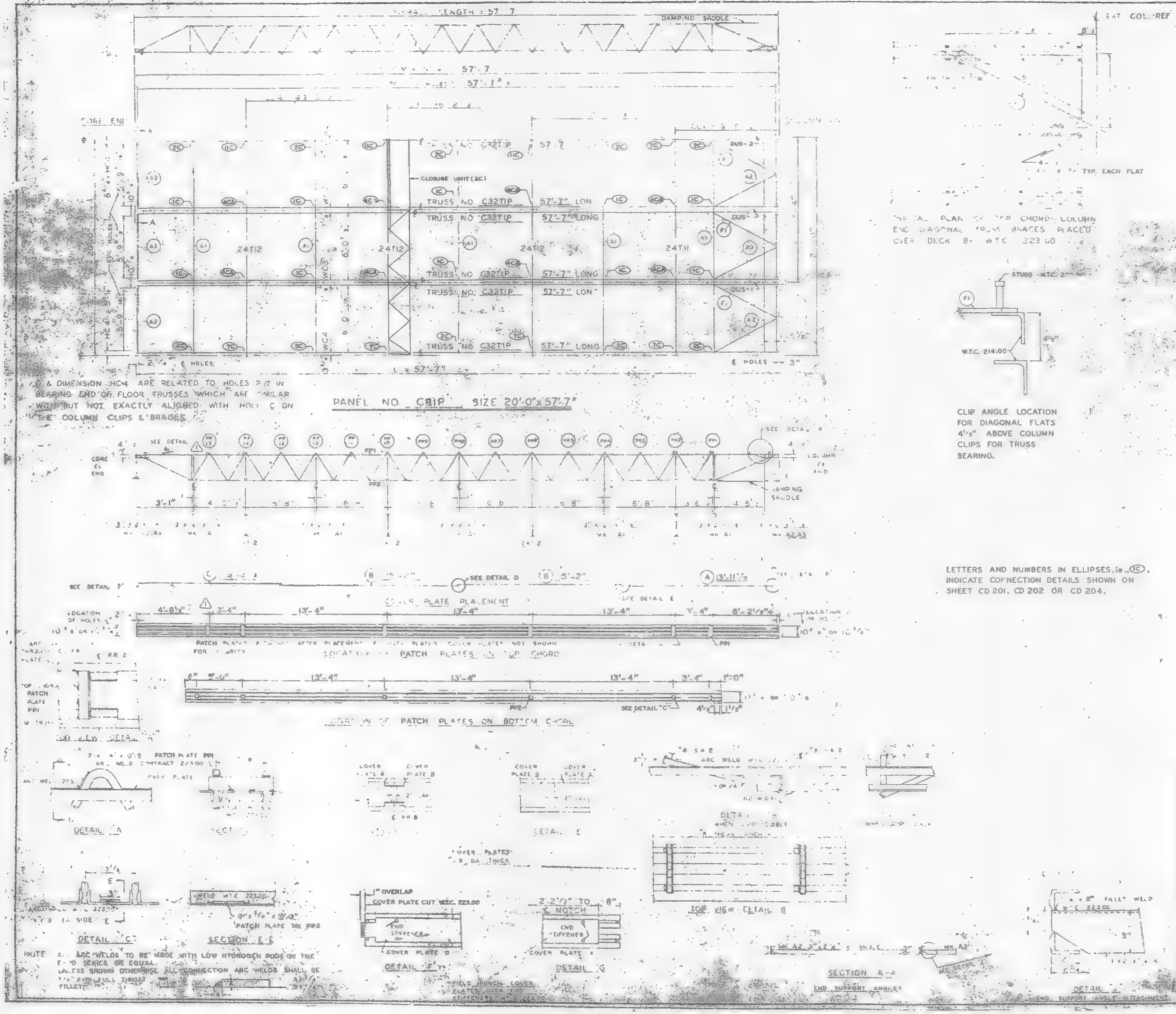
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIM	6	C32TIM - 58'-3"	ST201M
BRIDGING TRUSSES	[illegible]	[illegible]	24T[illegible] - 9'-[illegible]"	ST2[illegible]
	T12	3	24T12 - 9'-11"	ST 212
3 x 2 x 1/4 ANGLE	A1	5	3 x 2" x 1/4 x 19'-11"	ST 403
	A2	4	3 x 2" x 1/4 x 5'-[illegible]	ST 403
	A3	2	3 x 2" x 1/4 x 5'-[illegible]3/4"	ST 403
DIAGONAL FLATS	F1	5	[illegible] x 5'-5"	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	ST 303
	B	5	[illegible]	ST 303
	C	[illegible]	[illegible]	ST 303
	D	3	[illegible]	ST 303
ANGLE CLIPS	CL	23	[illegible]	ST 400
5/8 SHEAR ANCHOR	AA	9	[illegible]	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 208
	DUS-2	1	3 1/2 x 3 1/2" x 3/8 x 3'-6 7/8"	ST 208
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4 1 1/2" x 1 1/4" x	BT212
			230 x 6'-[illegible]1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-8"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

BLDG A [illegible] 72-73 (N)

PANEL CRIM [illegible] x 58'-3"

FABRICATION BY LACLEDE STEEL COMPANY	
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO 7-[illegible] 7-22-68 PLATE [illegible]
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 1/11/69	DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE OCT 23, 1968
DETAILED BY A.C. WEBER	FABRICATION CONT. NO. W.T.C. 221 — SHEET NO. FP CR



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1P	6	C32T1P - 57'-7"	T201P
[illegible]	[illegible]	1	24T11 [illegible]	BT21[illegible]
	T2	3	24T12 - 19'-11"	BT212
[illegible] ANGLE	A1	5	3"x2"x¼"x19'-11"	ST 403
	A2	4	3"x2"x¼"x5'-11"	ST 403
	A3	2	3"x2"x¼"x5'-11¾"	ST 403
DIAGONAL FLATS	F	6	1½"x⅝"x8'-6	ST 402
PATCH PLATES	PP1	18	2"x¼"x0'-9	ST 400
	PP2	18	3"x⅝"x0'-3"	ST 400
COVER PLATES	A	3	9"x0.135"x13'-11½"	ST303
	B	6	9"x0.135"x13'-2"	ST303
	C	3	9"x0.135"x13'-2½"	ST303
ANGLE CLIPS	C1	21	[illegible]	ST 400
#3 SHEAR ANCHOR	SA3	9	[illegible]	[illegible]
DAMPING SADDLE	DUS-1	2	3½"x3½"x⅜"x[illegible]	[illegible]
	DUS-2	4	3½"x3½"x⅜"x3'-8⅞"	ST 2[illegible]
CONNECTION BAR	CB1	4	[illegible]	ST 400
CLOSURE UNIT	BC	3	2-[illegible]	ST 212
			.230 x 6'-8½"	CD204
CONNECTION PLATES	P1	35	3½"x⅜"x0'-5½"	ST 400
	P2	4	4½"x.38"x0'-9"	ST 400
	P3	1	4½"x.38"x1'-0"	ST 400

NO.	DATE	REVISION
1	6-9-69	AS NOTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

B[illegible] 74 (N)

PANEL CRIP [illegible] 57'-7"

BLDG. B FLOORS 74 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8

APPROVED FOR FABRICATION [illegible] DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 196[illegible]

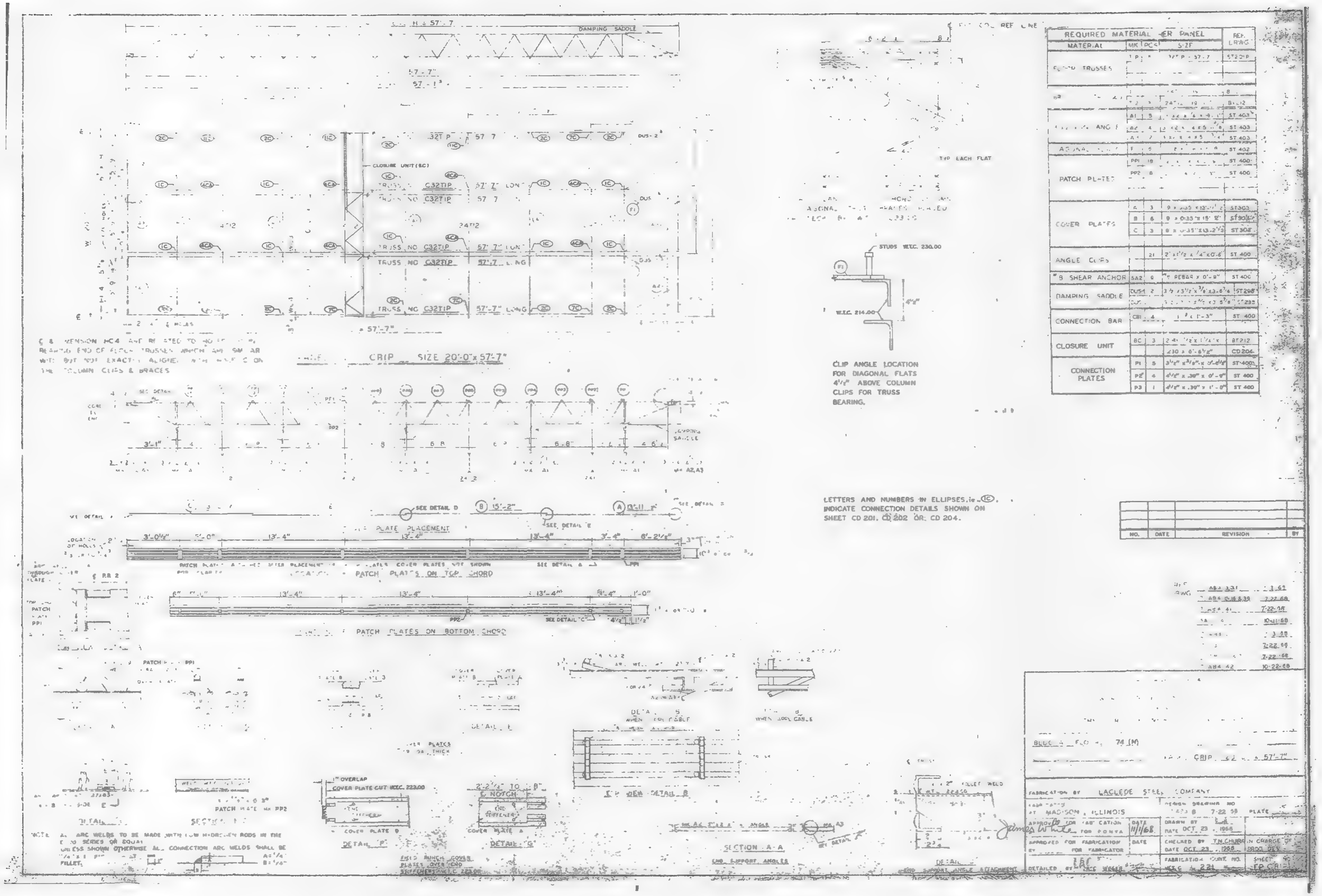
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR

CHECKED BY T.M.CHORA[illegible] DATE OCT 23 [illegible]

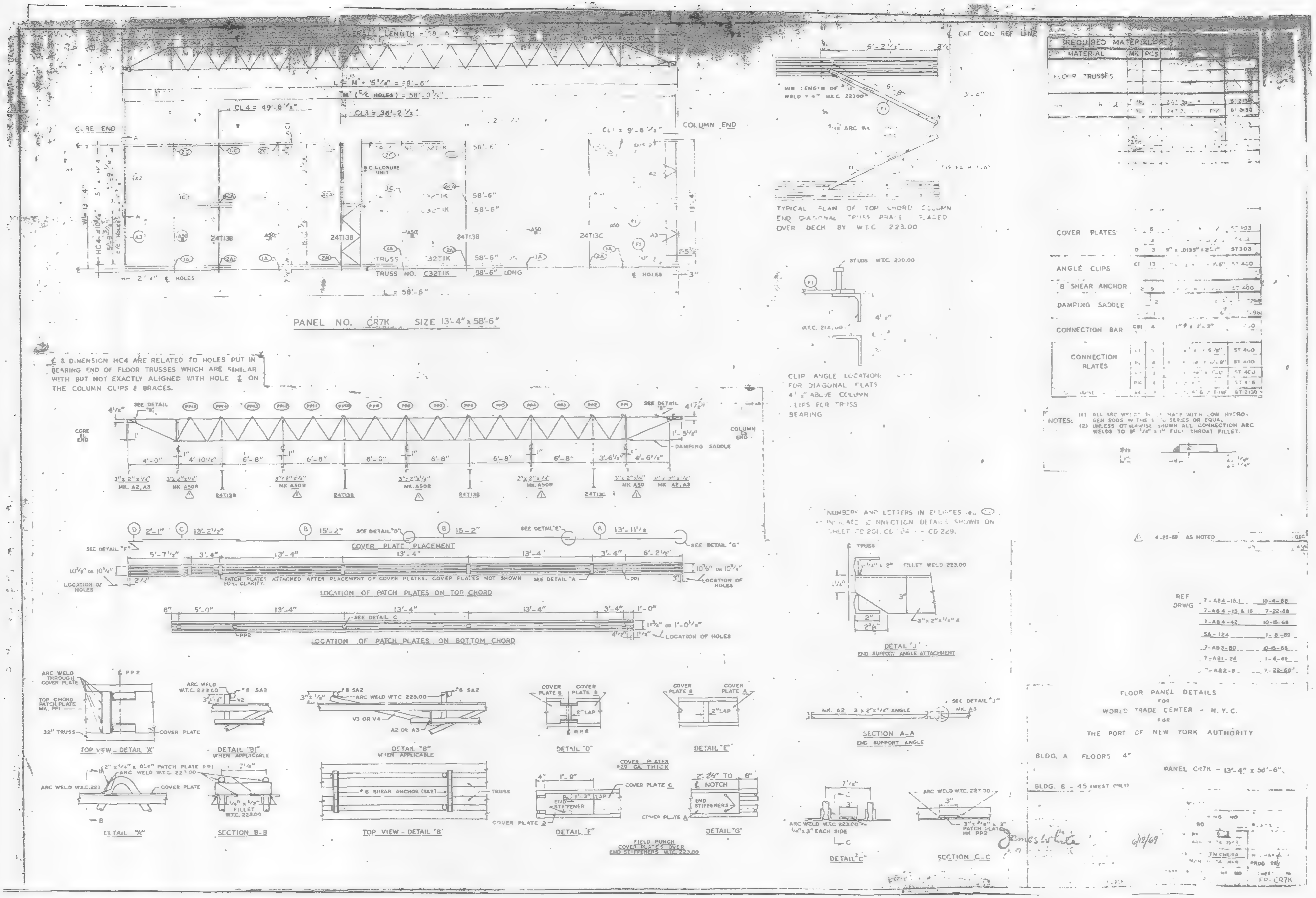
DETAILED BY [illegible]

FABRICATION CONT. NO. [illegible]

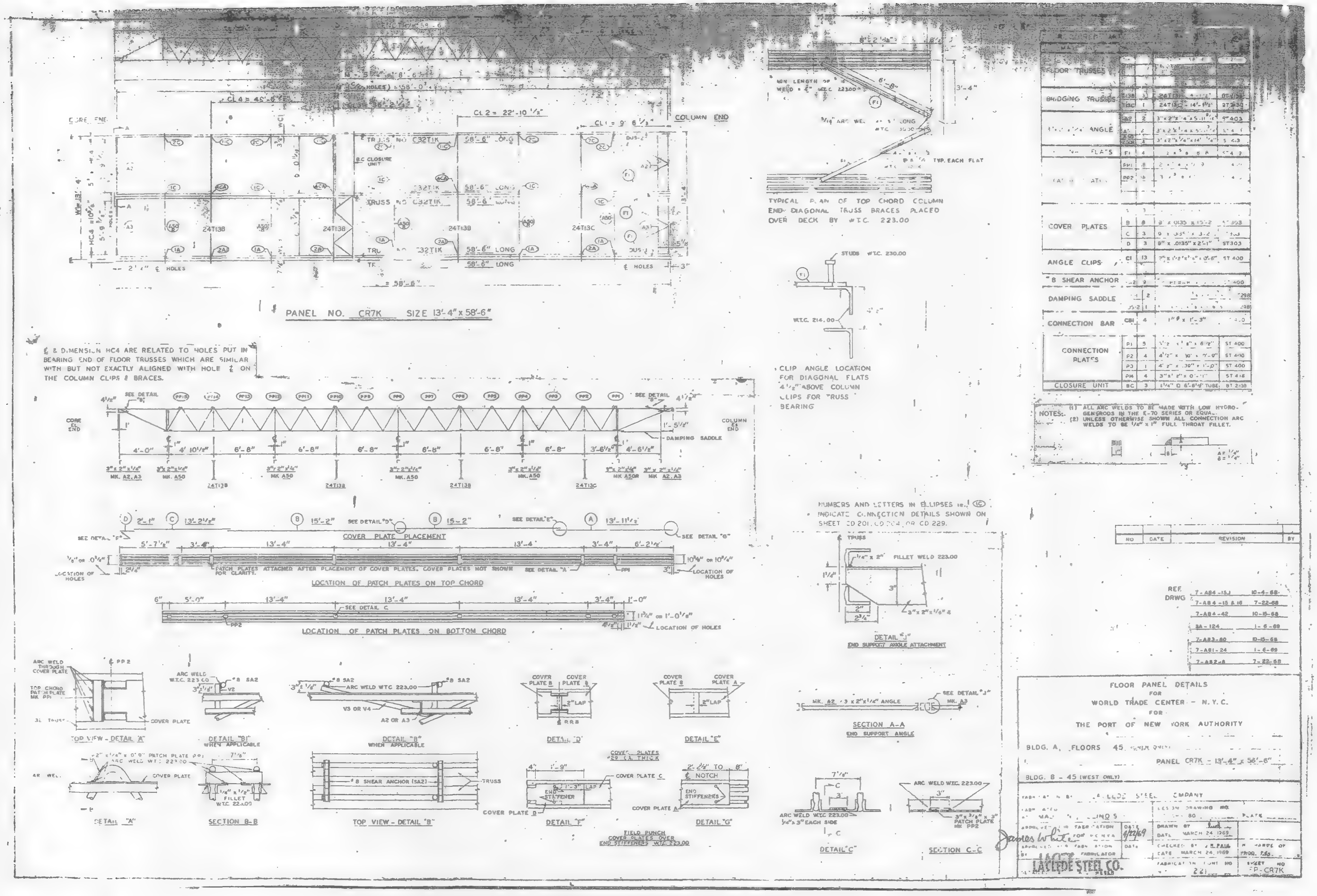
SHEET [illegible] CRIP

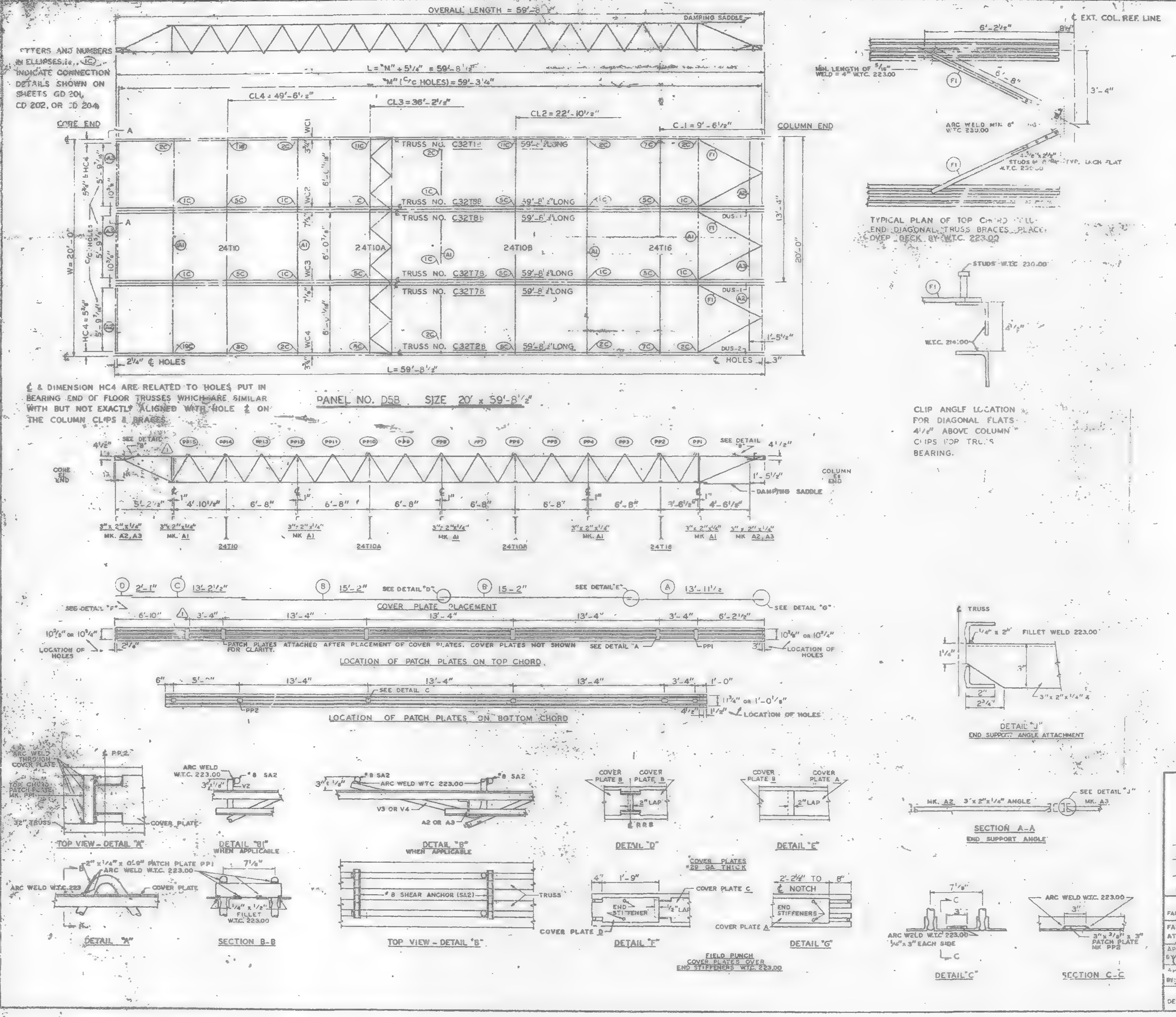


REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
TRUSSES	[illegible]	[illegible]	32" P - 57'-7	ST 201P
[illegible]	[illegible]	[illegible]	[illegible]	B[illegible]
	[illegible]	[illegible]	24[illegible]	B[illegible]12
ANGLE	A1	5	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL [illegible]	F	5	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	8	[illegible]	ST 400
COVER PLATES	A	3	9 x 0.35 x 13'-[illegible]	ST 303
	B	6	9 x 0.35" x 15'-2"	ST 303
	C	3	9 x 0.35" x 13'-2½	ST 303
ANGLE CLIPS		21	2" x 1½ x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS1	2	3½ x 3½ x ⅜ x 3-6⅞	ST 298
	DUS[illegible]	[illegible]	[illegible] x 3'-5⅞"	ST 298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] ½ x 1¼ x	BT 212
			∠30 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .30" x 0'-9"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400



OVERALL LENGTH = 58'-6"
DAMPING SADDLE
CORE END
COLUMN END
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
TRUSS NO. C32T1K 58'-6" LONG
L = 58'-6"
PANEL NO. CR7K SIZE 13'-4" x 58'-6"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACE PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
NUMBERS AND LETTERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 204 - CD 229.
REQUIRED MATERIAL
FLOOR TRUSSES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL. (2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
COVER PLATES #20 GA. THICK
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "C"
SECTION C-C
REF DRWG
7-AB4-15.1 10-4-68
7-AB4-15 & 18 7-22-68
7-AB4-42 10-15-68
SA-124 1-8-69
7-AB3-80 10-15-68
7-AB1-24 1-8-69
7-AB2-8 7-22-68
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 4_
PANEL CR7K - 13'-4" x 58'-6"
BLDG. B - 45 (WEST ONLY)
FP-CR7K


PANEL NO. CR7K SIZE 13'-4" x 58'-6"
COLUMN END
CORE END
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
FLOOR TRUSSES
BRIDGING TRUSSES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
CLOSURE UNIT
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. (2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
NUMBERS AND LETTERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 204, OR CD 229.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
REF. DRWG 7-A84-15J 10-4-68
7-A84-15 & 16 7-22-68
7-A84-42 10-15-68
3A-124 1-6-69
7-A83-80 10-15-68
7-A81-24 1-6-69
7-A82-8 7-22-68
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A, FLOORS 45
PANEL CR7K - 13'-4" x 58'-6"
BLDG. B - 45 (WEST ONLY)
DRAWN BY
DATE MARCH 24, 1969
CHECKED BY
DATE MARCH 24, 1969
LACLEDE STEEL CO.
221
FP-CR7K



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T18	1	C32T18 – 59'-8 1/2"	ST 201B
	T2B	1	C32T2B – 59'-8 1/2"	ST 202B
	T7B	2	C32T7B – 59'-8 1/2"	ST 207B
	T8B	2	C32T8B – 59'-8 1/2"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 – 19'-11"	ST 210
	T10A	1	24T10A – 19'-11"	ST 210A
	T10B	1	24T10B – 19'-11"	ST 210B
	T16	1	24T16 – 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 16-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	~~ST 400~~
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

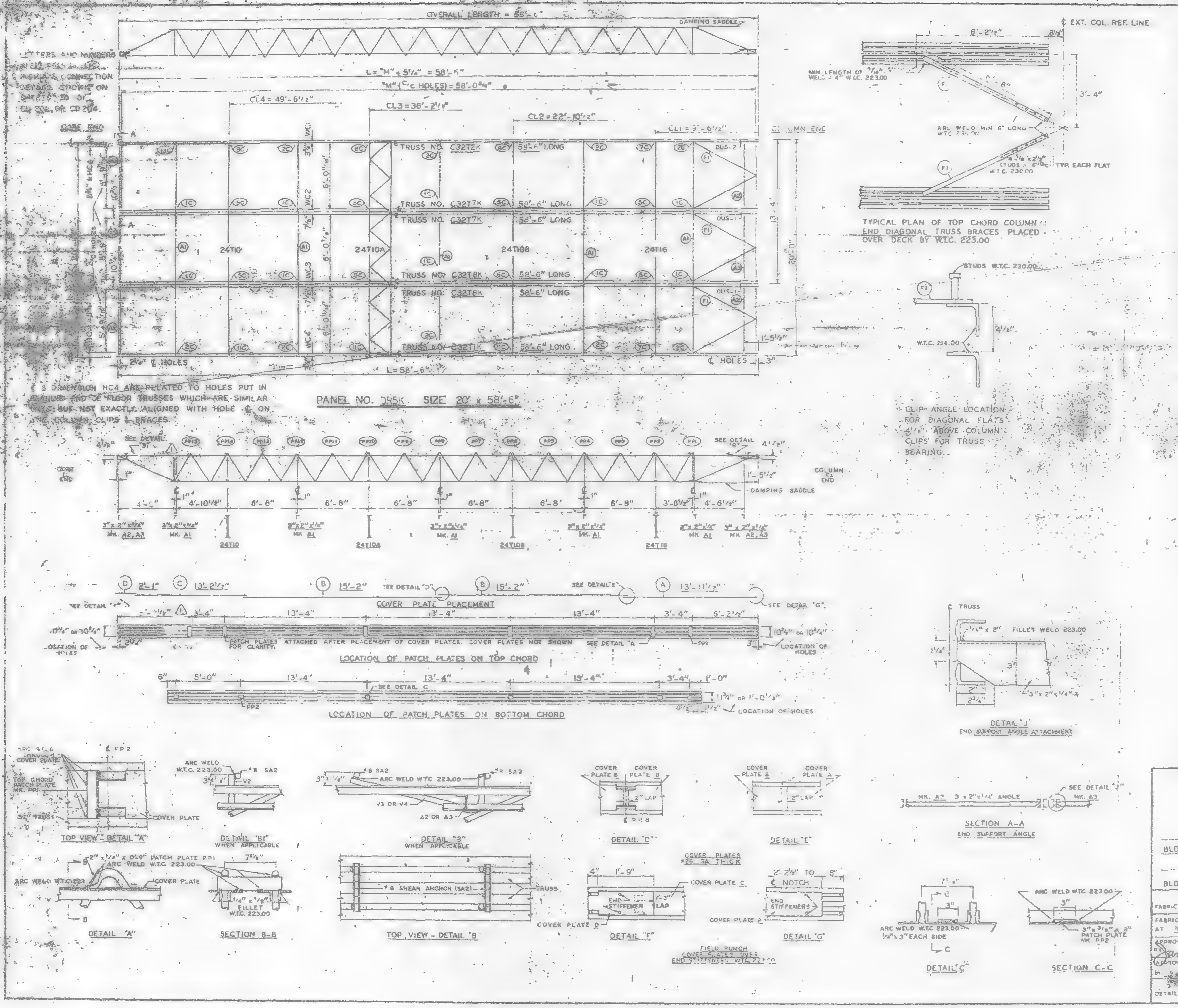
BLDG. A FLOORS 83 (NORTH)

PANEL D5B – 20' x 59'-8 1/2"

BLDG. B FLOORS 83 (WEST) 2

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY James White FOR P.N.Y.A.	DATE 1/2/70	DRAWN BY: gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: CARL WEBER (LACLEDE STEEL CO. stamp)		FABRICATION CONT. NO. WTC 221	SHEET NO. FP D5B



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	[illegible]
	T2K	1	C32T2K - 58'-6"	[illegible]
	T7K	2	C32T7K - 58'-6"	[illegible]
	T8K	2	C32T8K - 58'-6"	[illegible]
BRIDGING TRUSSES	T10	1	24T10 - 9'	[illegible]
	T10A	1	24T10A - 9'	[illegible]
	T108	1	24T108 - 9'	[illegible]
	T16	1	24T16 - [illegible]	[illegible]
3"x 2"x ¼" ANGLE	A1	5	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	2	[illegible]	[illegible]
DIAGONAL FLATS	F1	8	[illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible]	[illegible]
	[illegible]	8	[illegible]	[illegible]
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	9" x .0135" x 15'-2"	[illegible]
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½" x 3/16" x 3'-6⅞"	ST 298
	DUS-2	1	3½"x 3½" x 3/16" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"	ST 400
	P2	1	4½" x .30" x 0'-9"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P8	1	4½" x .30" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

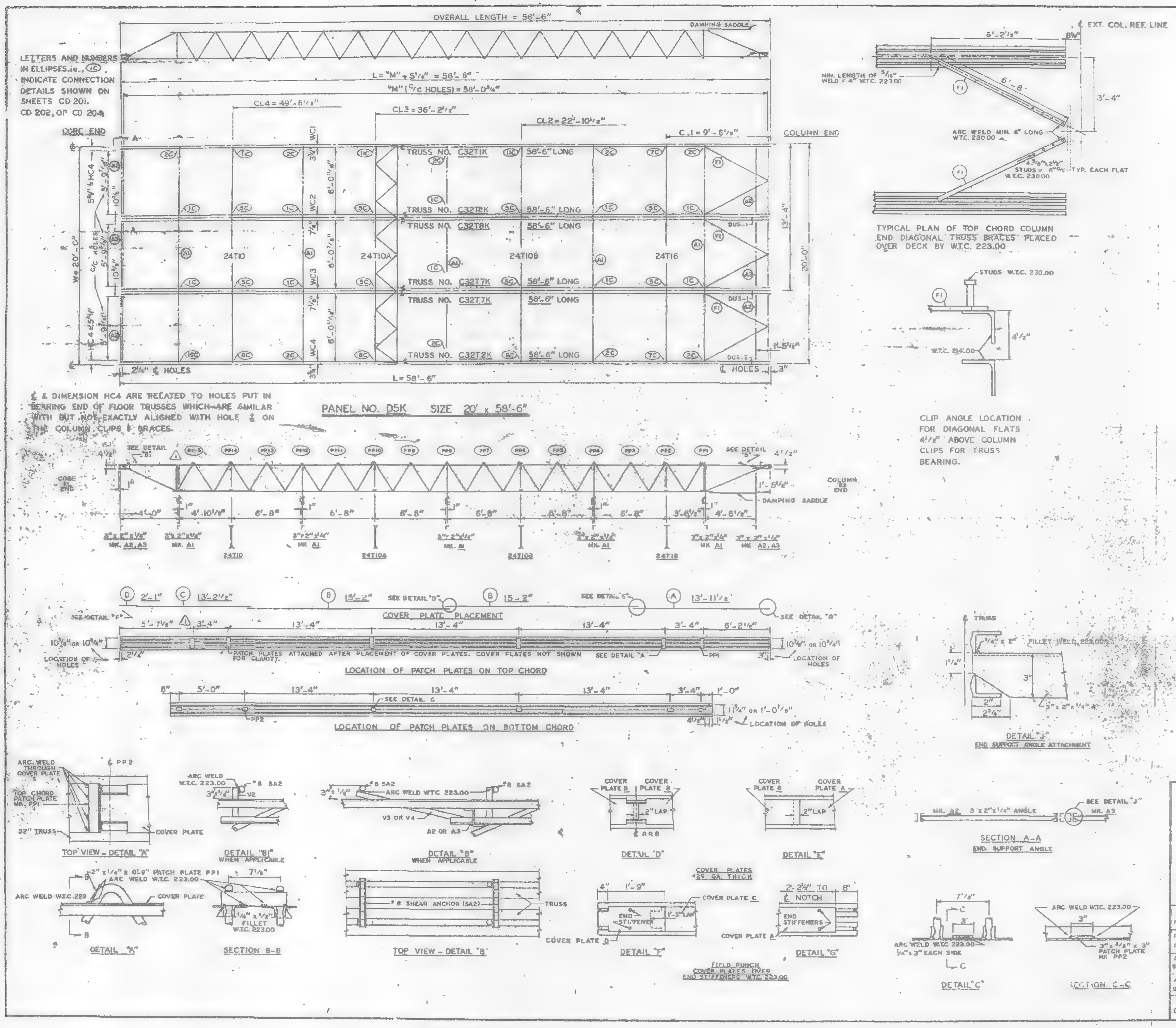
REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-7	10-15-68
7-AB4-15 & 18	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB-5	10-15-68
7-AB1-2,3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 & 46 (SOUTH)
PANEL [illegible] 20' x 58'-6
BLDG. B FLOORS 45 & 46 (EAST) 2

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB2 [illegible] 4-15-68
APPROVED FOR FABRICATION BY James W. White FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY G.D.C. DATE JAN. 14, 1969
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE JAN. 14, 1969
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET FF DR5K



REQUIRED MATERIAL PER PANEL				REF DRWGS
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDRO-GEN RODS IN THE E-70 SERIES OR EQUA.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C
1	3-11-69	AS NOTED	G.D.C

REF. DRWGS.

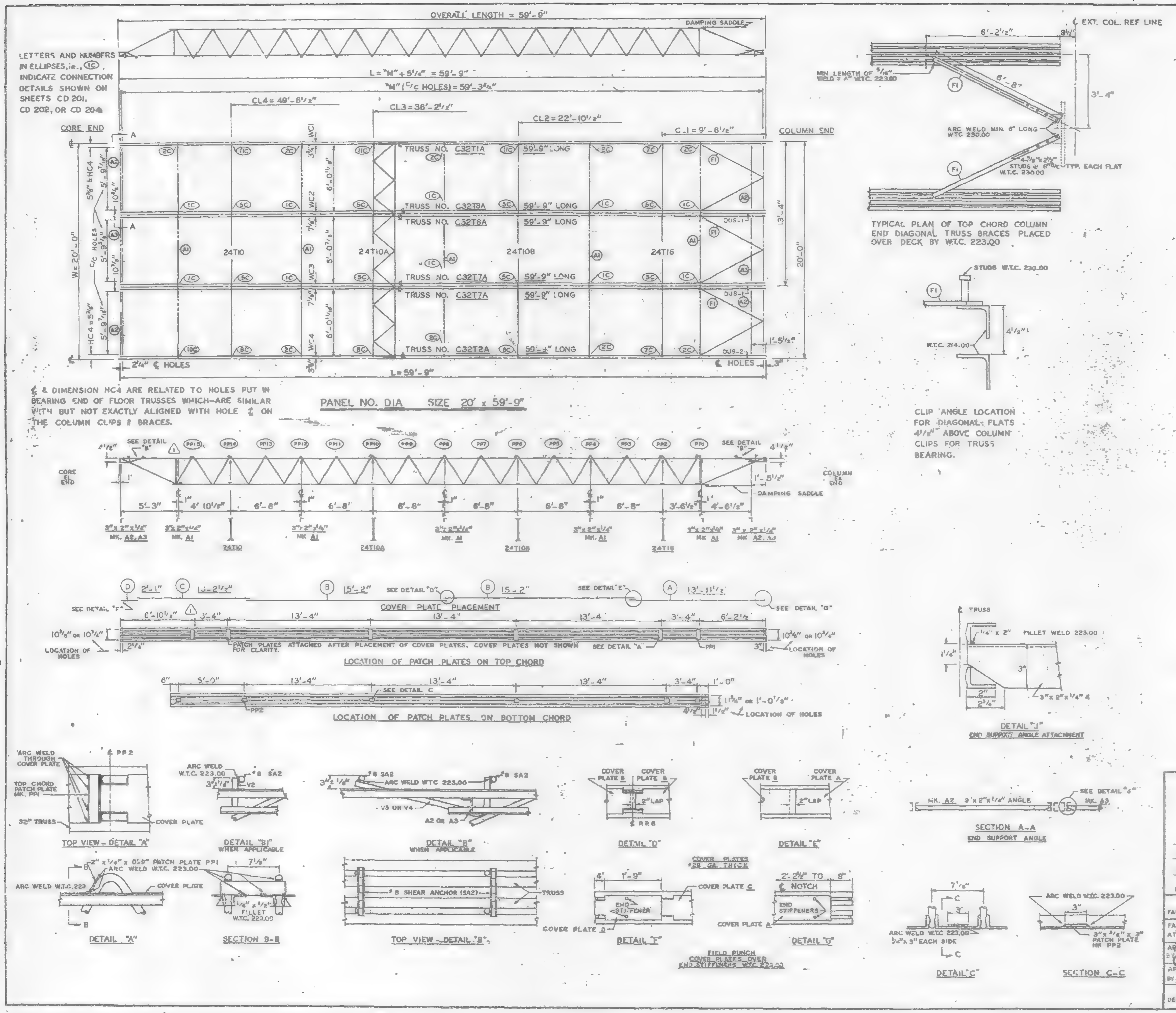
7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SC-124	10-11-68
7-SB1-5	10-15-68
7-SB1-2 & 3	7-26-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)
PANEL D5K 20' x 58'-6"
BLDG. B FLOORS 45 (EAST & WEST) 46 (EAST) (2)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY James [illegible] P.N.Y.A.	DATE 1/2/70	DRAWN BY gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T M CHURA DATE JAN 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] CARL WEBER		FABRICATION CONT NO W T C 221	SHEET NO FP 15A



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	# 8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .38" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUA.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

1	6-10-69	AS NOTED	G.D.C.
BY	DATE	REVISION	BY

REF. DRWGS.

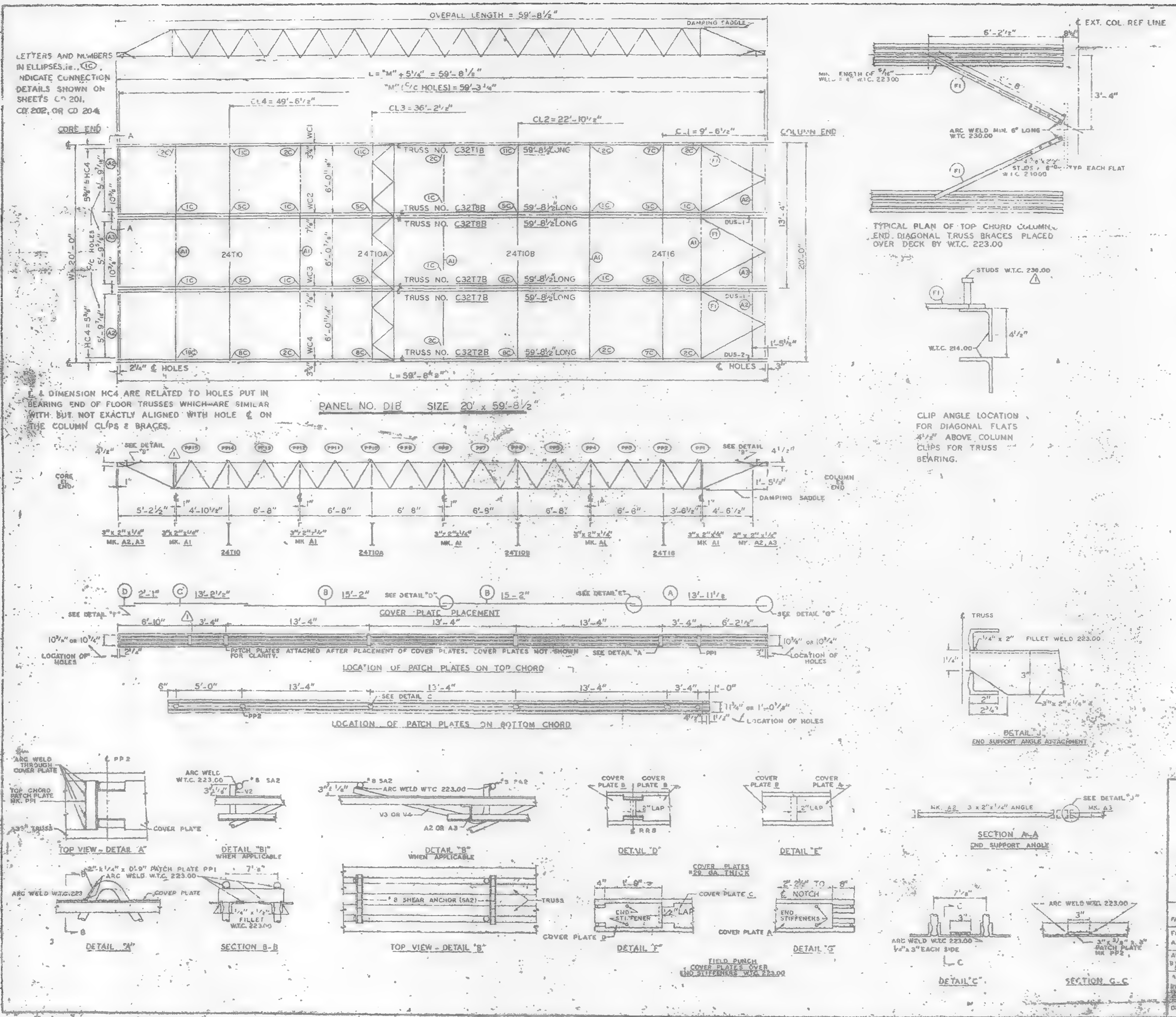
7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-39	7-22-68
7-AB4-15 & 16	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-3, 4 & 5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 4-58, 60-66, 68, 69 (NORTH) PANEL [illegible] = [illegible]' x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-9 4-15-68	PLATE
APPROVED FOR FABRICATION BY James [illegible] P.N.Y.A.	DATE 1/2/70	DRAWN BY: gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV
LACLEDE STEEL CO. DETAILED [illegible]		FABRICATION CONT NO W.T.C. 221	SHEET NO FP DIA



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8 1/2"	ST [illegible] 8
	T2B	1	C32T2B - 59'-8 1/2"	ST [illegible]
	T7B	2	C32T7B - 59'-8 1/2"	ST [illegible] 7B
	T8B	2	C32T8B - 59'-8 1/2"	ST [illegible] 8B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	[illegible] x 5'-[illegible]	ST 403
	A3	2	[illegible] x 5'-[illegible]	ST 403
DIAGONAL FLATS	F1	[illegible]	[illegible] x 3'-8	ST 4[illegible]2
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 1/8" x 0'-3"	ST 4[illegible]
COVER PLATES	A	3	9" x 0.133" x 13'-11 1/2"	ST 303
	B	6	9" x 0.139" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/8"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	[illegible]	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/4" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .3[illegible]" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C

(1) REF. DRWGS.

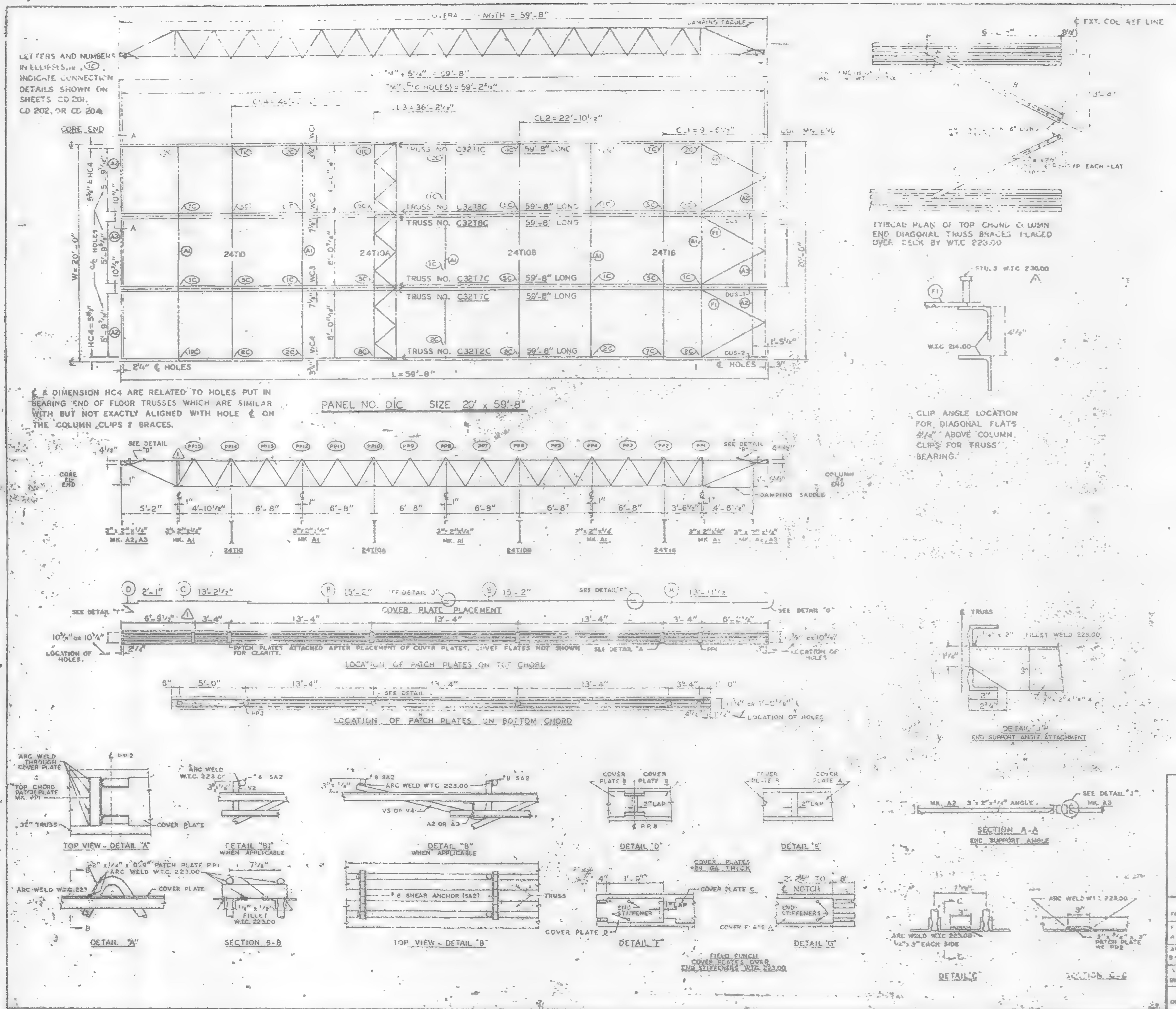
7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-66
7-AB4-31	1-3-68
7-AB4-15, 16 & 30	7-22-68
7-AB4-42 & 3	10-15-68
SC-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
…E PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)
PANEL D1B - 20' x 59'-8 1/2"
BLDG. B FLOORS 84-91, 93-106 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-9	
APPROVED FOR FABRICATION BY James White FOR P.N.Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE OCT 24 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE OCT 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A CARL WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP-D1B



[illegible]	C1	[illegible]	[illegible] C1C 59'-8"	ST 2 [illegible]
	C[illegible]	[illegible]	C3[illegible]C 59'-8"	ST 2 [illegible]
	C[illegible]	2	[illegible] C 59'-8"	[illegible]
	[illegible]8C	2	[illegible]8C 59'-8"	ST 2 [illegible]
BRIDGING [illegible]	T[illegible]	1	[illegible]	[illegible]
	T10A	1	[illegible]	ST [illegible]
	T10B	[illegible]	[illegible]	ST 2[illegible]
	T16	1	[illegible]	ST 2[illegible]
[illegible]	A[illegible]	[illegible]	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	[illegible]	[illegible]	ST 40[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	P[illegible]	18	[illegible]	[illegible]
	PP[illegible]	6	[illegible]	[illegible]
COVER PLATES	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	3	6" x .0135" x 13'-2½"	ST 303
	D	3	8" x 0.135" x 2'-1"	ST 303
[illegible]	C1	24	2" x 1½" x ¼" x 0'-8"	ST 401
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-[illegible]"	ST 400
	CB4	8	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	[illegible]	4	[illegible]	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x 1½" x 0'-8"	ST 400
	P6	1	4½" x .30" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
⚠1	6-10-69	AS NOTED	GDC

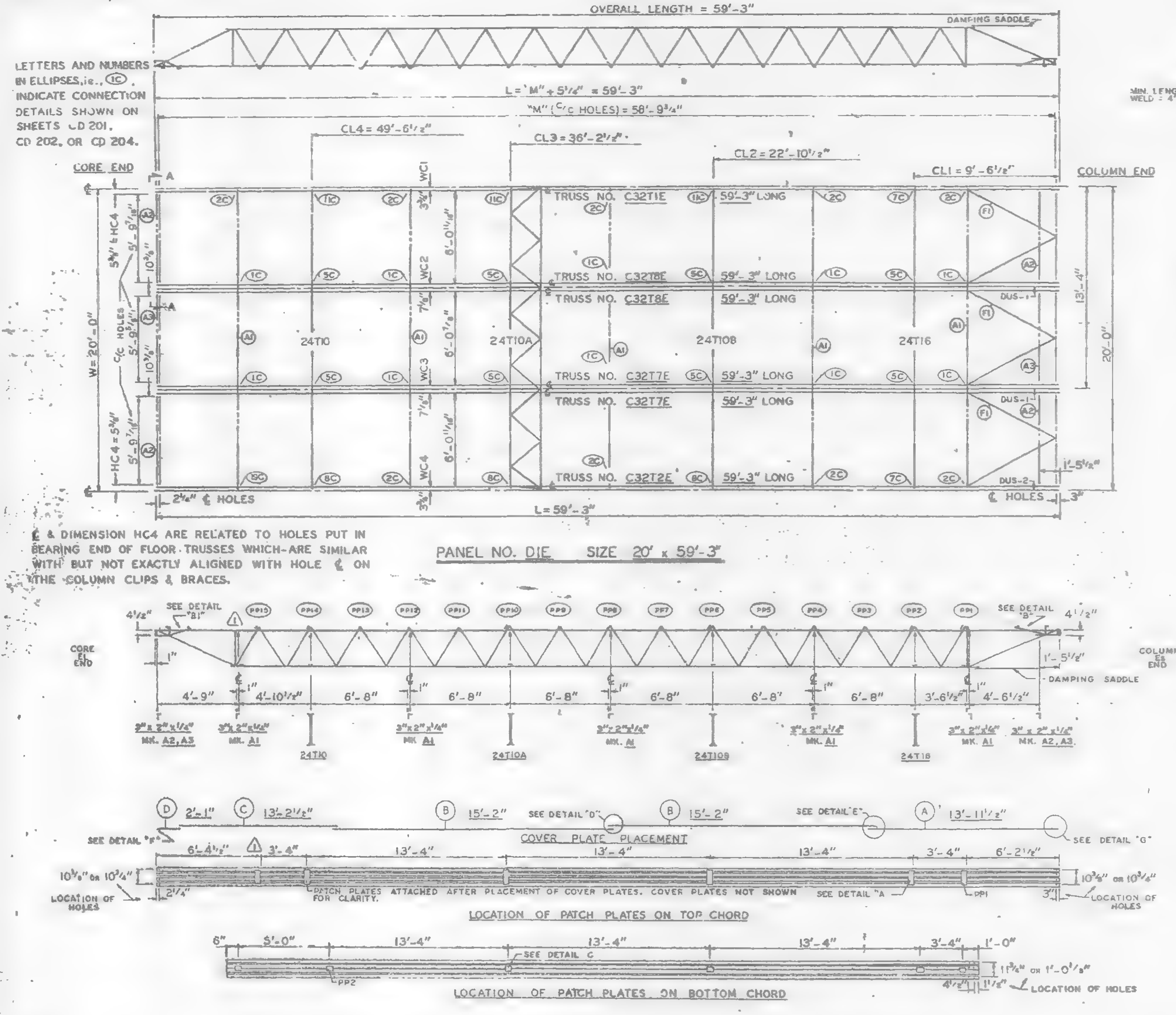
⚠1 REF. DRWGS.

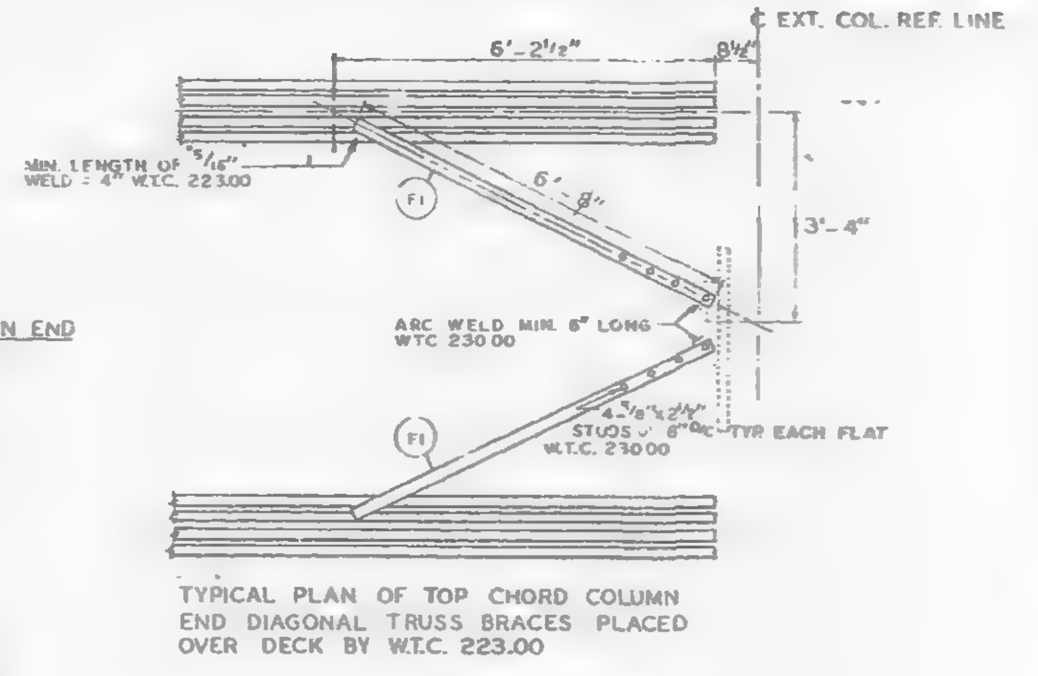
7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-3,1	1-3-69
7-AB4-15,16 & 30	7-22-68
7-AB4-42 & 3	10-15-68
SC-124	1-6-69
7-AB1-7,3 & 4	7-22-68
7-AB1-5	10-15-68

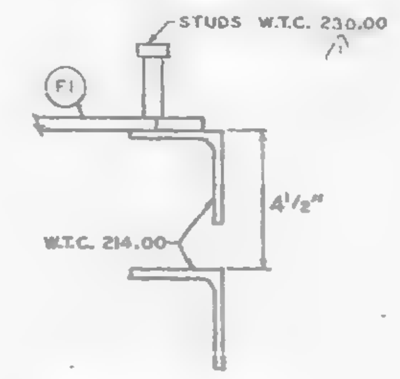
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91 & C-106 (S)
PANEL NO. [illegible] - 59'-8"
BLDG. B FLOORS 50-58, 60-74, 79-91 & 93-106 [illegible] ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9
APPROVED FOR FABRICATION BY James [illegible] DATE 1/2/70
DRAWN BY gdc DATE OCT. 24, 1968
APPROVED FOR FABRICATION BY [illegible] DATE
CHECKED BY [illegible] DATE OCT. 24, 1968
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP D1C-[illegible]

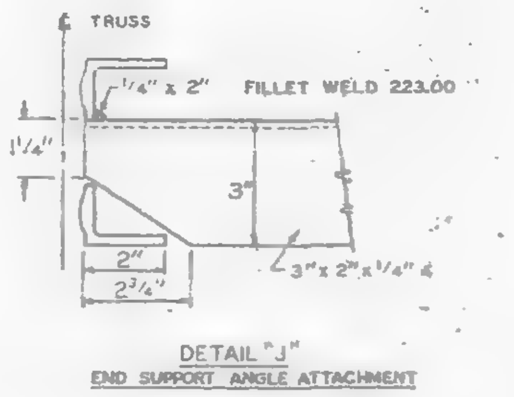






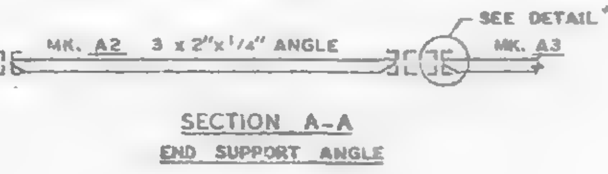
REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-1"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x [illegible]	ST [illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/4" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" φ x 1'-3"	ST 400
	CB4	6	1" φ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

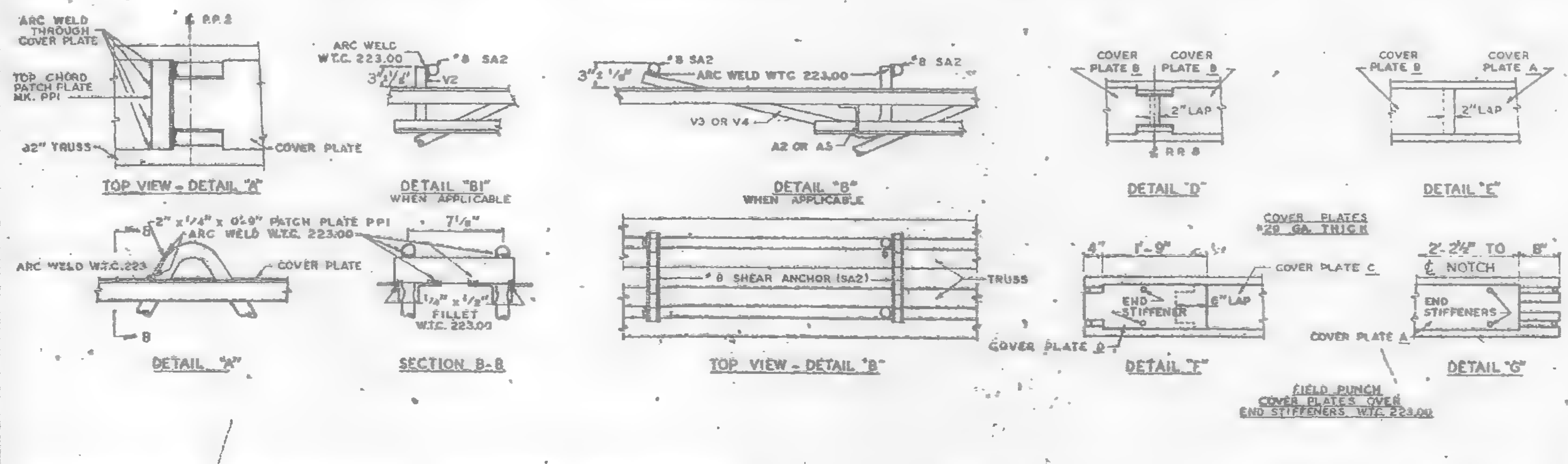
NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

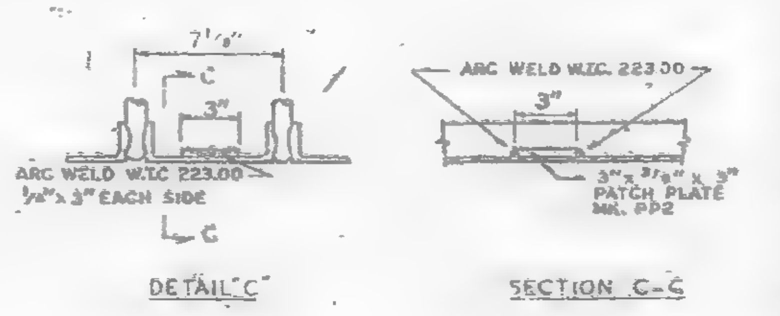


NO.	DATE	REVISION	BY
1	5-9-69	AS NOTED	GDC

REF. DRWGS.
7-AB2-5 & 11 — 7-22-68
7-AB3-9 — 10-15-68
7-AB4-3.1 — 1-3-68
7-AB4-15 & 16,39 — 7-22-68
7-AB4-3 & 42 — 10-15-68
SA-124 — 1-6-69
7-AB1-2,3 & 4 — 7-22-68
7-AB1-5,4 & 5 — 10-15-68



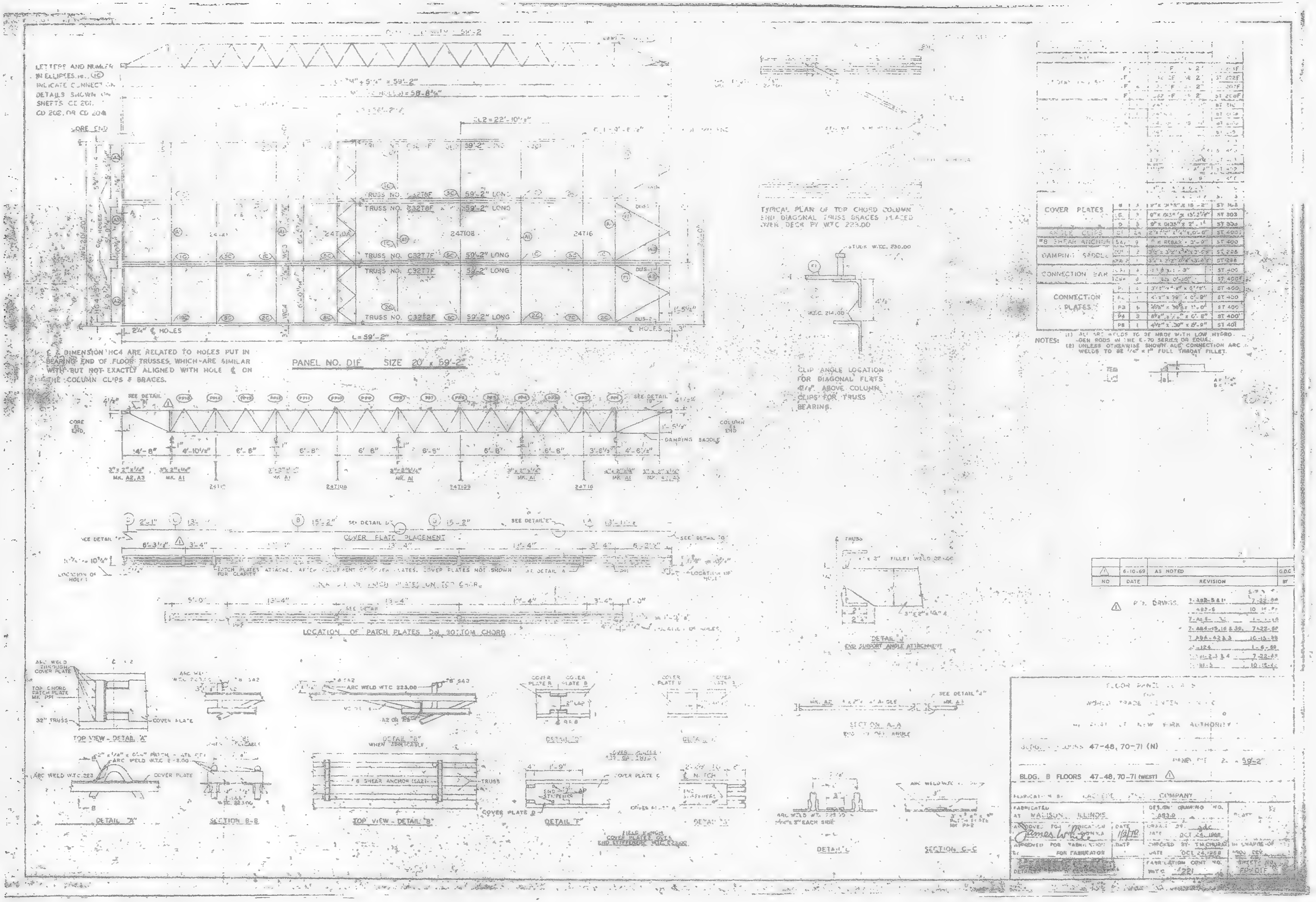




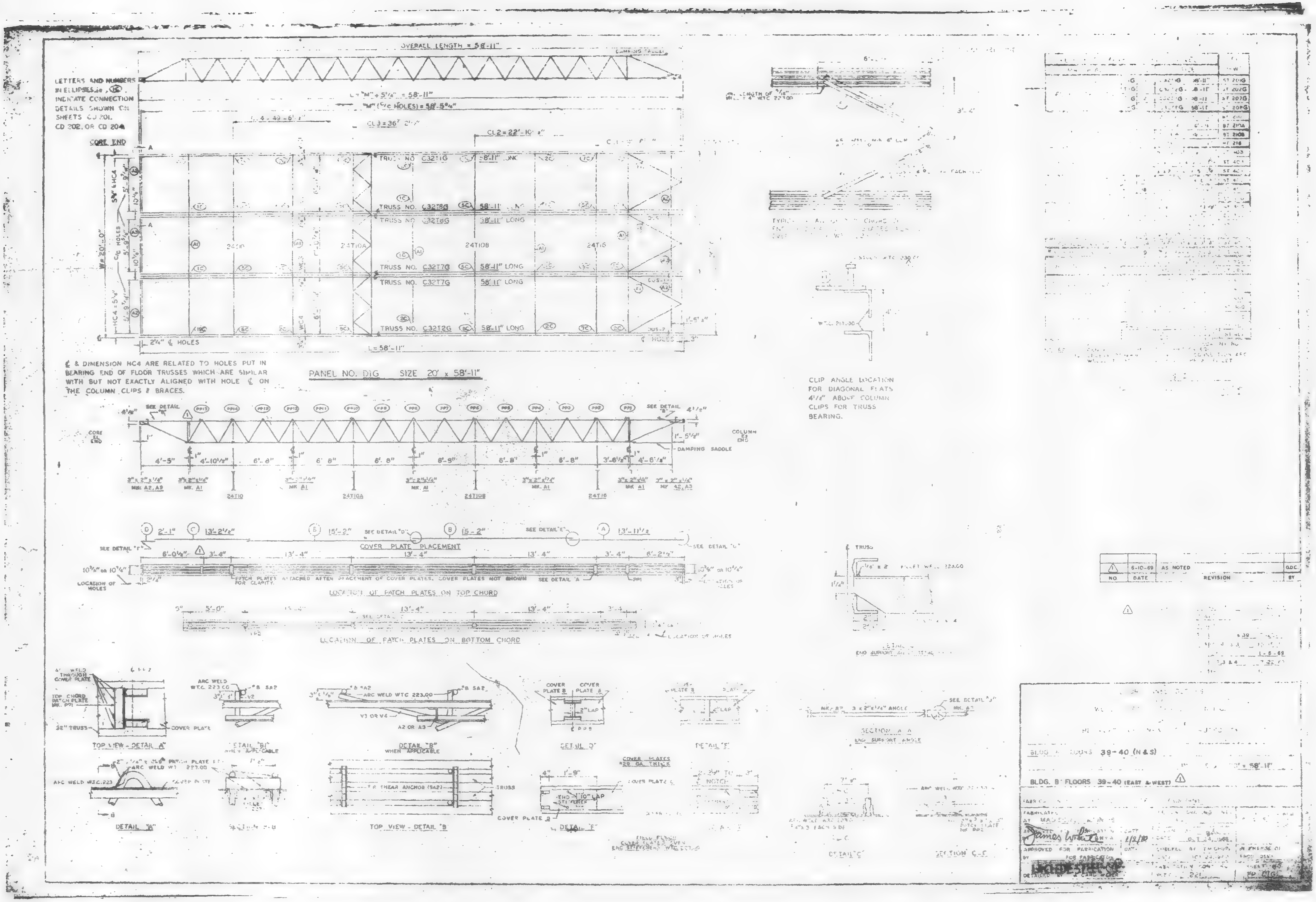
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

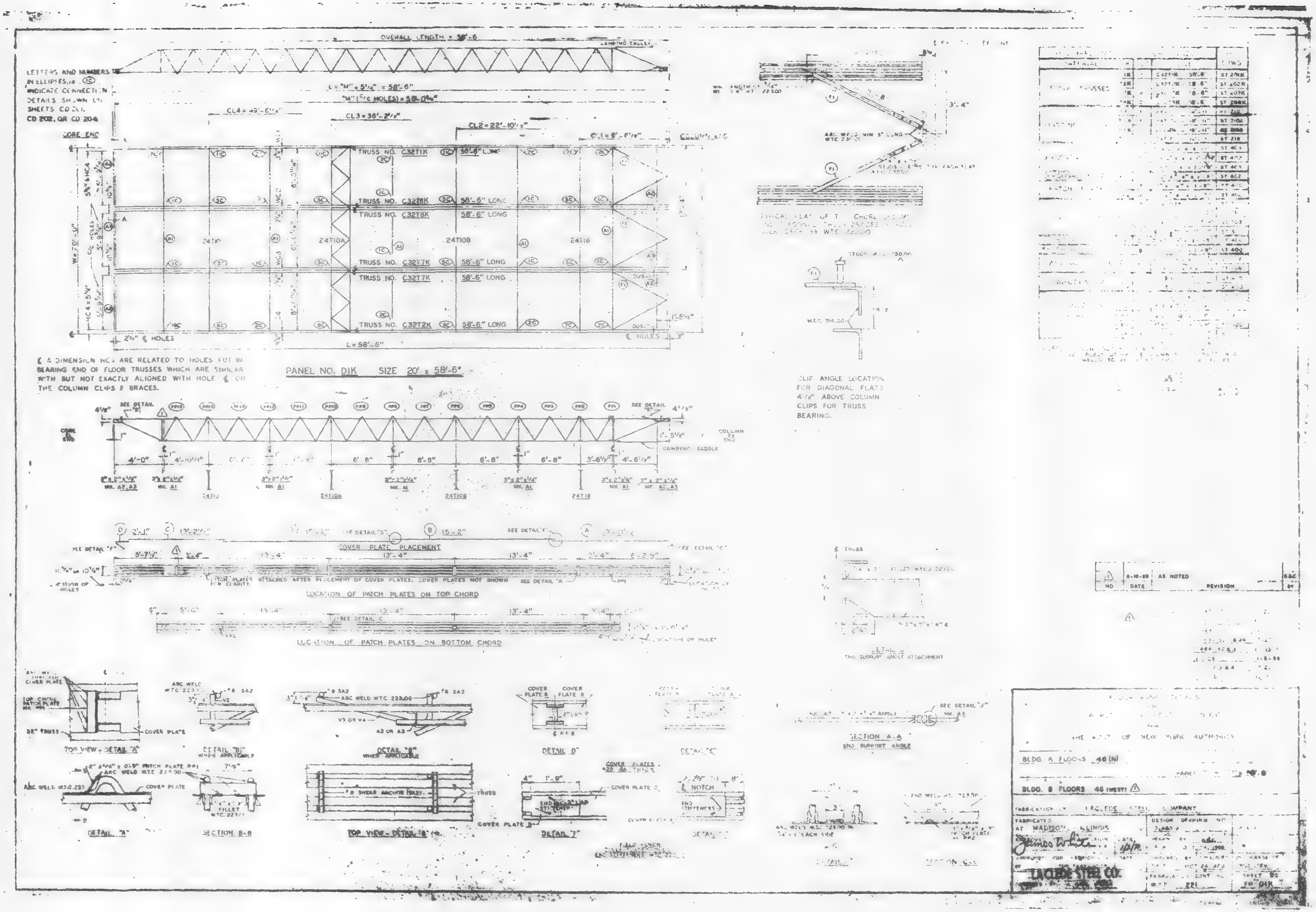
BLDG. A FLOORS 10-11 (NORTH & SOUTH)
PANEL D1E 20' x 59'-3"

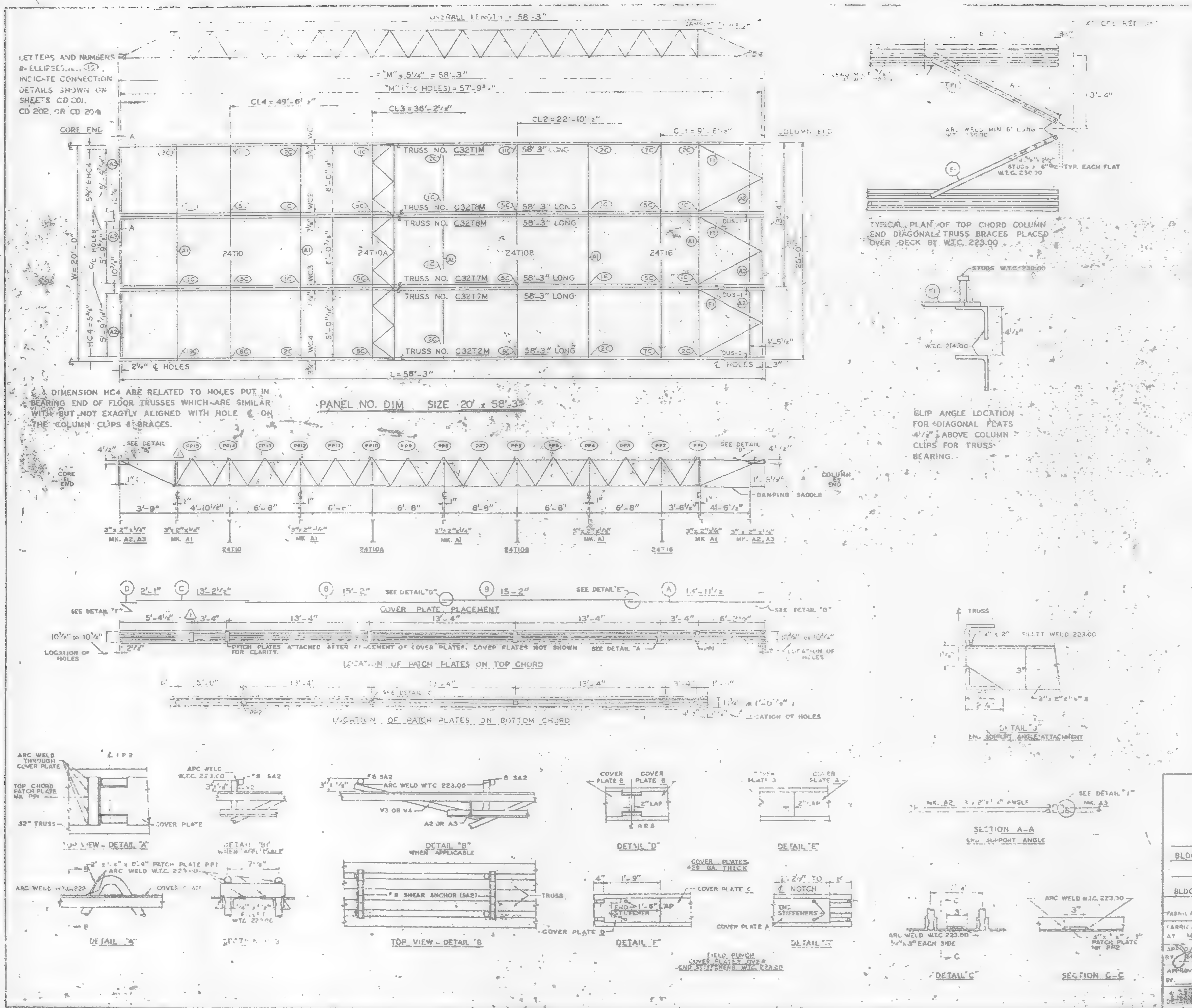
FABRICATION BY LACLEDE STEEL COMPANY		
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO 7 AB3-9 4-15-68	PLATE
APPROVED FOR FABRICATION BY James White DATE 1/2/70	DRAWN BY gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY T.W. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY CARL WEBER	FABRICATION CONT NO W.T.C. 221	SHEET NO FP D1E



LETTERS AND NUMBER IN ELLIPSES... INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
TRUSS NO. C32T8F 59'-2" LONG
TRUSS NO. C32T7F 59'-2" LONG
TRUSS NO. C32T2F 59'-2" LONG
24T108
24T16
2'-1/4" ℄ HOLES
L = 59'-2"
℄ DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES, WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DIF SIZE 20' x 59'-2"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COLUMN END
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
6-10-69 AS NOTED
NO DATE REVISION BY
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "C"
SECTION C-C
FLOOR PANEL ... FOR WORLD TRADE CENTER ... PORT OF NEW YORK AUTHORITY
BLDG. ... FLOORS 47-48, 70-71 (N)
BLDG. B FLOORS 47-48, 70-71 (WEST)
COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
DATE 1/9/70
DATE OCT 24, 1968
CHECKED BY T.M.CHURA
DATE OCT 24, 1968
FOR FABRICATOR
FABRICATION CONT. NO. WTC 4221


OVERALL LENGTH = 58'-11"
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
"M" (C/C HOLES) = 58'-5 3/4"
CL3 = 36' 2"
CL2 = 22'-10 1/2"
TRUSS NO. C32T1G 58'-11" LONG
TRUSS NO. C32T8G 58'-11" LONG
TRUSS NO. C32T8G 58'-11" LONG
TRUSS NO. C32T7G 58'-11" LONG
TRUSS NO. C32T7G 58'-11" LONG
TRUSS NO. C32T2G 58'-11" LONG
24T10A
24T10B
24T16
W = 20'-0"
L = 58'-11"
2 1/4" ℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1G SIZE 20' x 58'-11"
SEE DETAIL "B"
CORE END
COLUMN END
DAMPING SADDLE
4'-5" 4'-10 1/2" 6'-8" 6'-8" 6'-8" 6'-9" 6'-8" 6'-8" 3'-6 1/2" 4'-6 1/8"
MK. A2, A3
MK. A1
24T10
24T10A
24T10B
24T16
2'-1" 13'-2 1/2" 15'-2" 15'-2" 13'-11 1/2
COVER PLATE PLACEMENT
SEE DETAIL "F"
SEE DETAIL "D"
SEE DETAIL "E"
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/8" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
ARC WELD WTC 223.00
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
SHEAR ANCHOR (SA2)
COVER PLATES #20 GA. THICK
COVER PLATE B
DETAIL "F"
DETAIL "C"
SECTION C-C
6-10-69 AS NOTED
NO. DATE REVISION BY
BLDG. A FLOORS 39-40 (N & S)
BLDG. B FLOORS 39-40 (EAST & WEST)
APPROVED FOR FABRICATION
PACIFIC CAR & FOUNDRY CO.


OVERALL LENGTH = 58'-6"
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
TRUSS NO. C32T1K 58'-6" LONG
TRUSS NO. C32T8K 58'-6" LONG
TRUSS NO. C32T7K 58'-6" LONG
TRUSS NO. C32T2K 58'-6" LONG
L = 58'-6"
PANEL NO. D1K SIZE 20' x 58'-6"
CAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
SECTION A-A END SUPPORT ANGLE
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 46 (N)
BLDG. B FLOORS 46 (WEST)
FABRICATED AT MADISON, ILLINOIS
LACLEDE STEEL CO.
OCT 24 1968
FP-D1K



MATERIAL	MK	[illegible]	[illegible]	[illegible]
FLOOR TRUSSES	T1M	1	[illegible]M - 58'-3"	ST 201M
	T2M	[illegible]	C32T2M - 58'-3"	ST 202M
	T7M	2	[illegible]T7M - 58'-3"	ST 207M
	T8M	2	C32T8M - 58'-3"	ST 208M
BRIDGING TRUSSES	T10	1	24T10 - 9'-[illegible]	ST 210
	T10A	[illegible]	24T10A - [illegible]	ST 210A
	T10B	[illegible]	[illegible]	ST 210B
	T16	[illegible]	[illegible]	ST 216
3"x2"x1/4" ANGLE	A1	[illegible]	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	[illegible]	[illegible]	ST 403
DIAGONAL FLATS	F	[illegible]	[illegible] x 8'-6"	ST 402
PATCH PLATES	PP1	18	[illegible] x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x [illegible] x 3'-6 5/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x [illegible] x 3'-6 5/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	2	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x [illegible] x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	G.D.C.

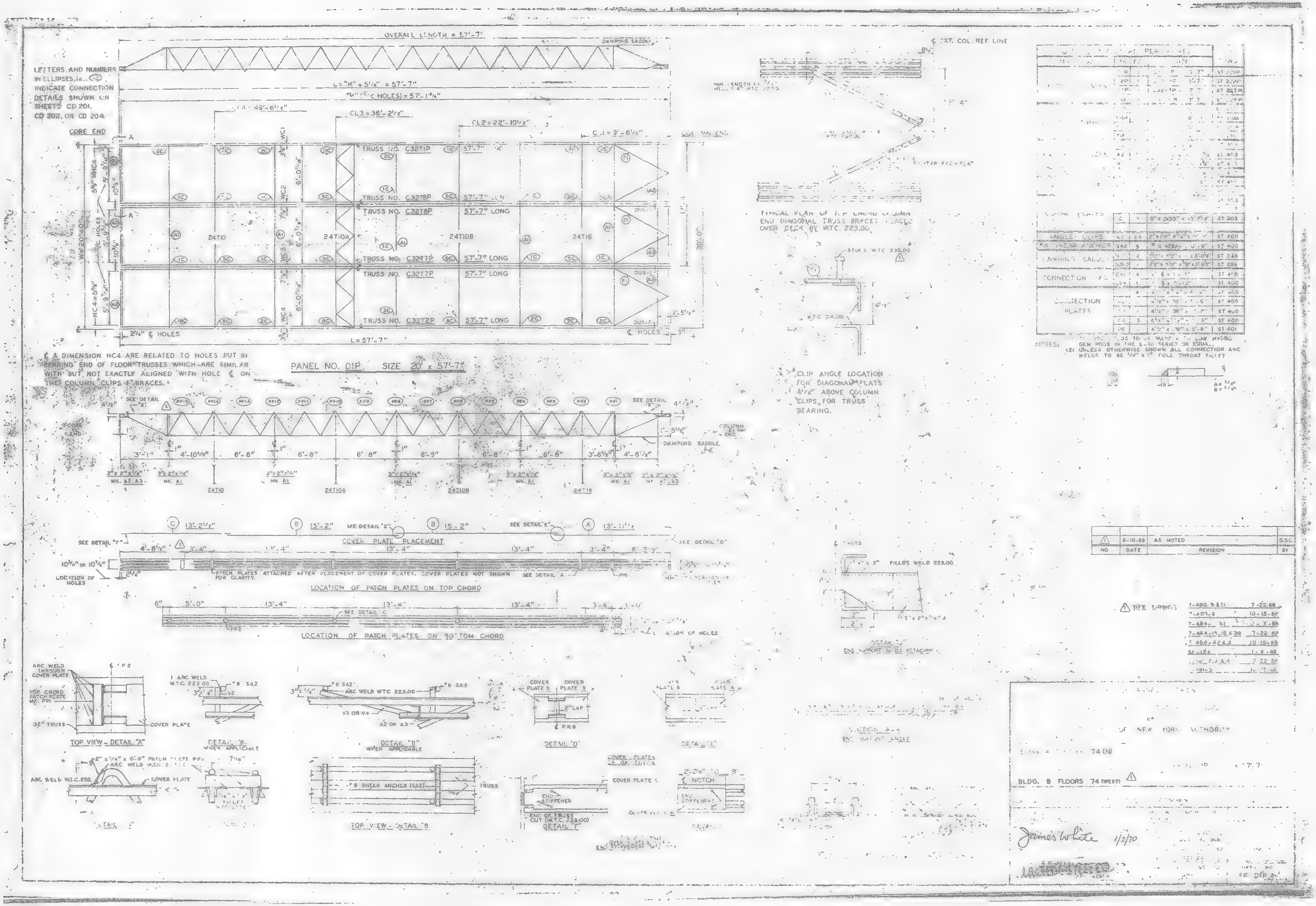
REF. DWGS.

7-AB2-5 & 11	7-22-68
[illegible]	10-15-68
7-AB4-[illegible]	[illegible]-68
7-AB4-15, 16 & 30	7-22-68
7-AB4-42 & 3	10-15-68
[illegible]-124	1-6-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-5	10-15-68

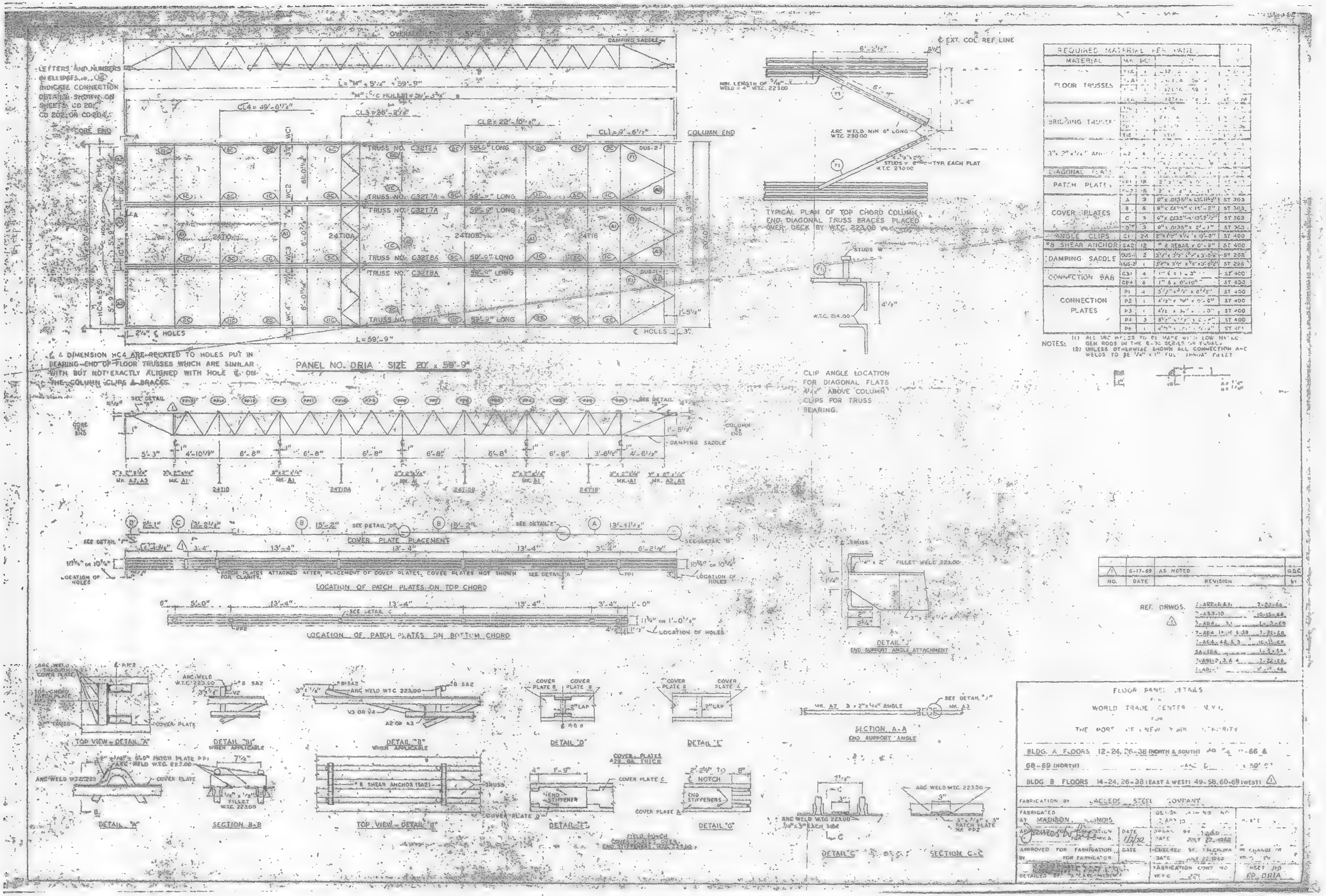
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)
PANEL M 20' x 58'-3"
BLDG. B FLOORS 72-73 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB1 10-15-68
APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE OCT 24, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M.CHURA DATE OCT. 24, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DIM



OVERALL LENGTH = 57'-7"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e. INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
COLUMN END
TRUSS NO. C32T1P
TRUSS NO. C32T8P
TRUSS NO. C32T7P
TRUSS NO. C32T2P
57'-7" LONG
24T10
24T10A
24T10B
24T16
CL3 = 36'-2½"
CL2 = 22'-10½"
L = 57'-7"
2¼" ℄ HOLES
℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1P SIZE 20' x 57'-7½
SEE DETAIL "B"
DAMPING SADDLE
MK. A2, A3
MK. A1
COVER PLATE PLACEMENT
SEE DETAIL "F"
SEE DETAIL "G"
SEE DETAIL "D"
SEE DETAIL "E"
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SEE DETAIL C
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK. PP1
32" TRUSS
COVER PLATE
TOP VIEW - DETAIL "A"
DETAIL "B"
ARC WELD WTC 223.00
V3 OR V4
A2 OR A3
DETAIL "B" WHEN APPLICABLE
#8 SHEAR ANCHOR (SA2)
TRUSS
TOP VIEW - DETAIL "B"
COVER PLATE B
COVER PLATE B
2" LAP
DETAIL "D"
END STIFFENER
END OF TRUSS CUT (W.T.C. 223.00)
DETAIL "F"
NOTCH
END STIFFENERS
℄ EXT. COL. REF. LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
FILLET WELD 223.00
DETAIL "G"
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION PLATES
NOTES:
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION AND WELDS TO BE ¼" x 1" FULL THROAT FILLET
6-10-69 AS NOTED
NO DATE REVISION BY
REF. DWGS
OF NEW YORK AUTHORITY
BLDG. B FLOORS 74 (WEST)
James White 1/2/70



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PC.	[illegible]	[illegible]
FLOOR TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
BRIDGING TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
3" x 2" x ¼" ANGLES	A2	6	[illegible]	[illegible]
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
PATCH PLATES	PP1	18	[illegible]	[illegible]
	PP2	15	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-5½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-3"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 208
	DUS-2	1	[illegible]	ST 208
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P4	3	[illegible]	ST 400
	P6	1	[illegible]	ST 400

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET

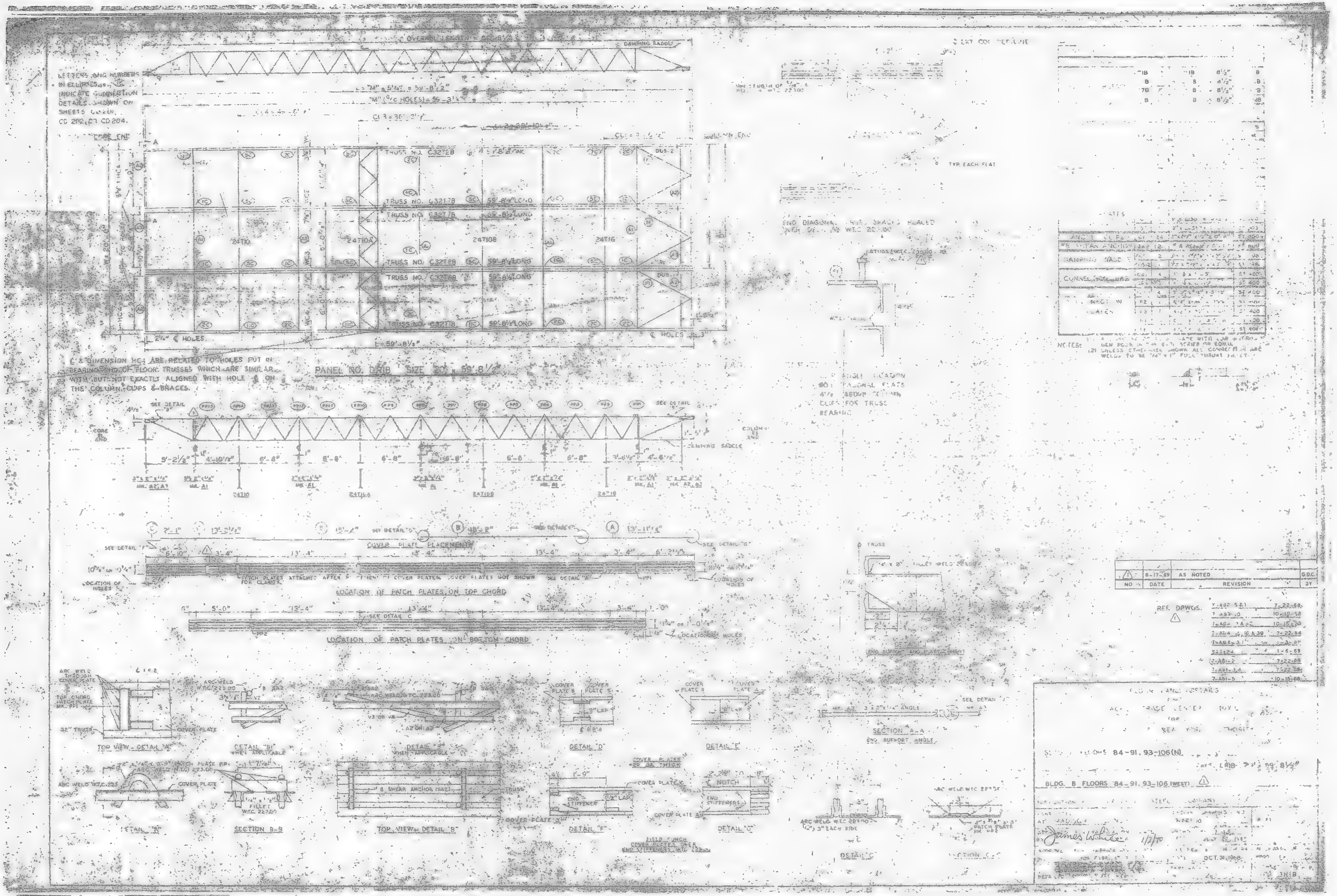
NO.	DATE	REVISION	
1	6-17-69	AS NOTED	G.O.C.

REF. DRWGS.

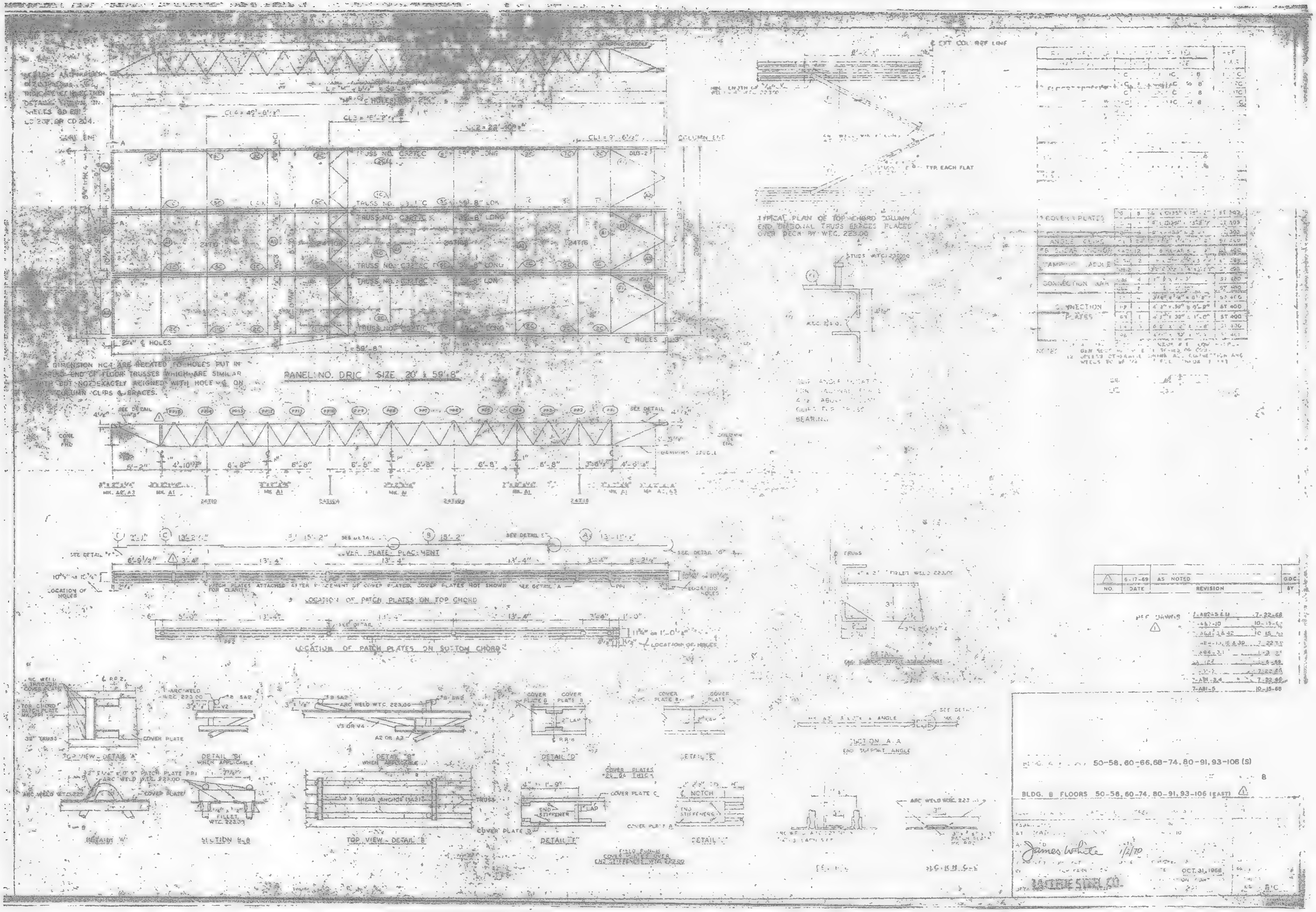
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

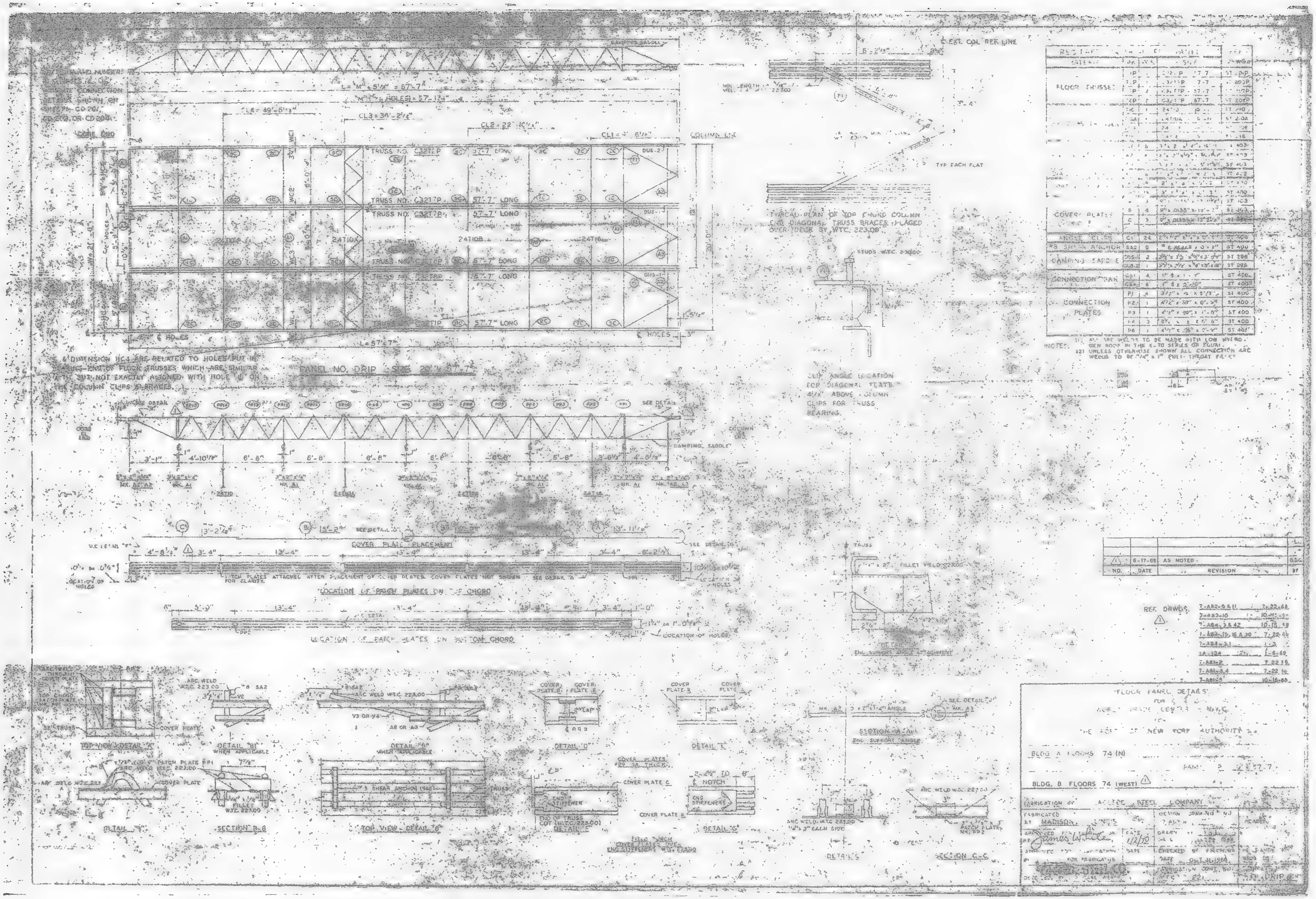
BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 40-[illegible]-66 & 68-69 (NORTH)
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST)

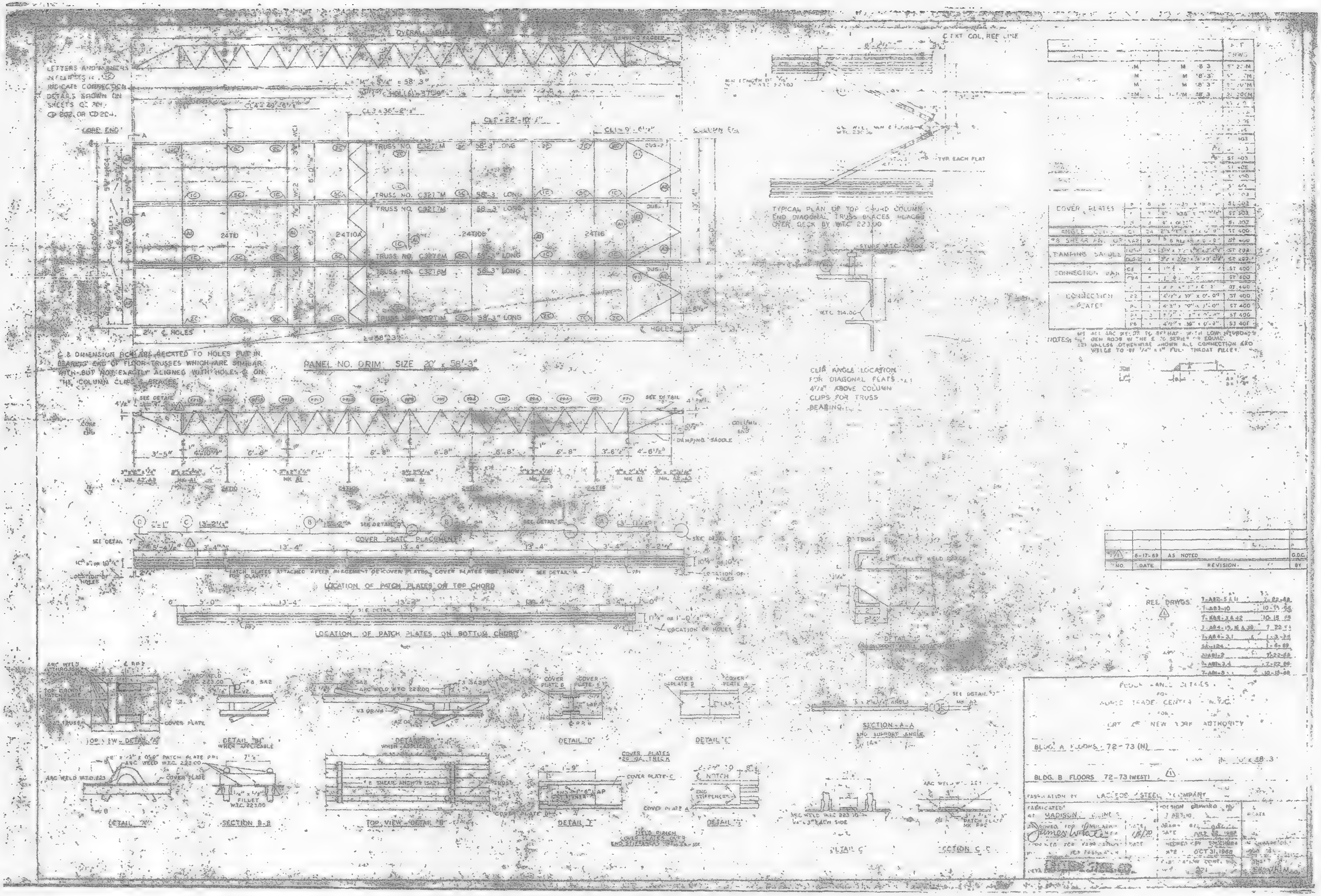
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE JULY 22, 1968
CHECKED BY [illegible] DATE JULY 22, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP DRIA

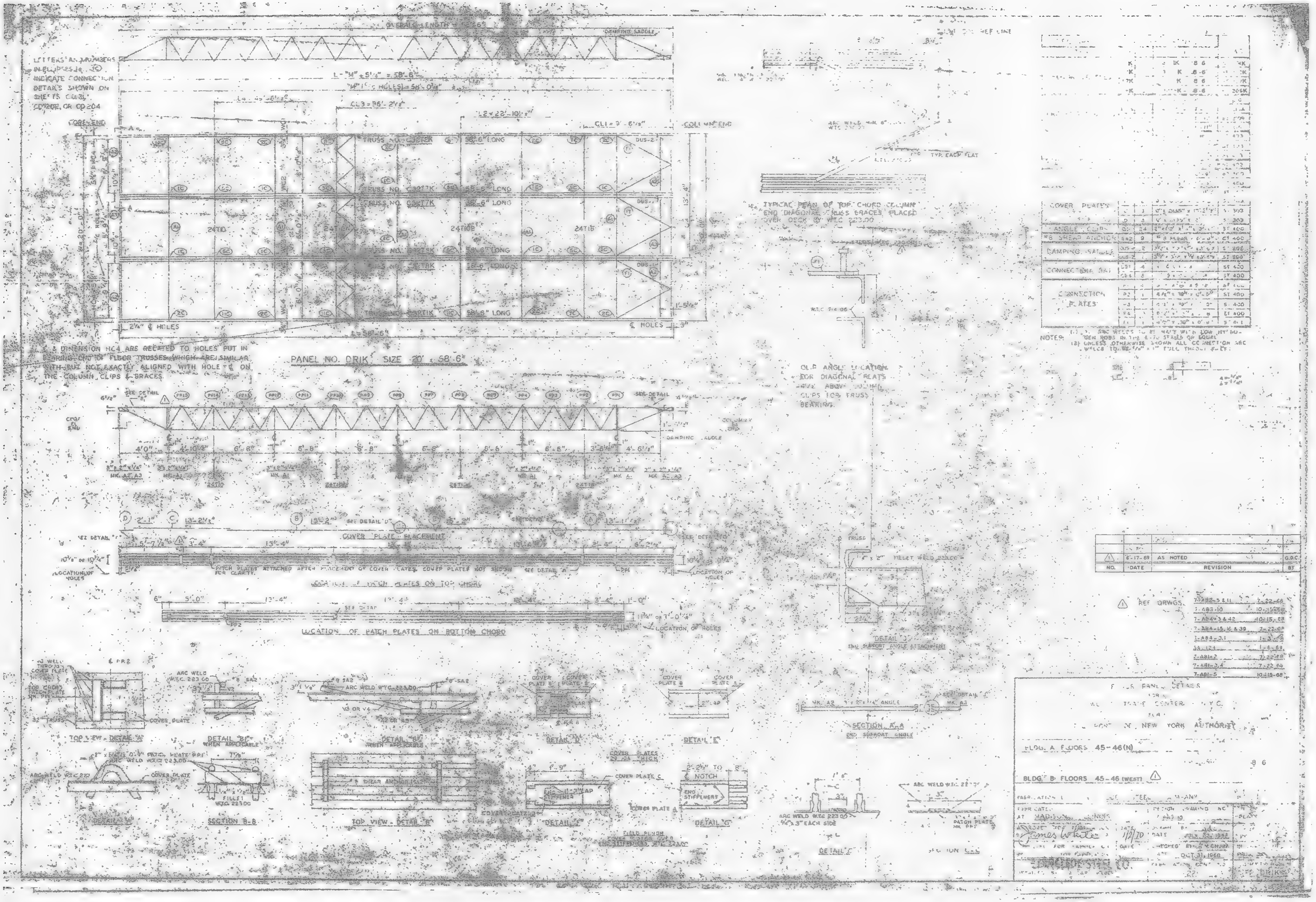


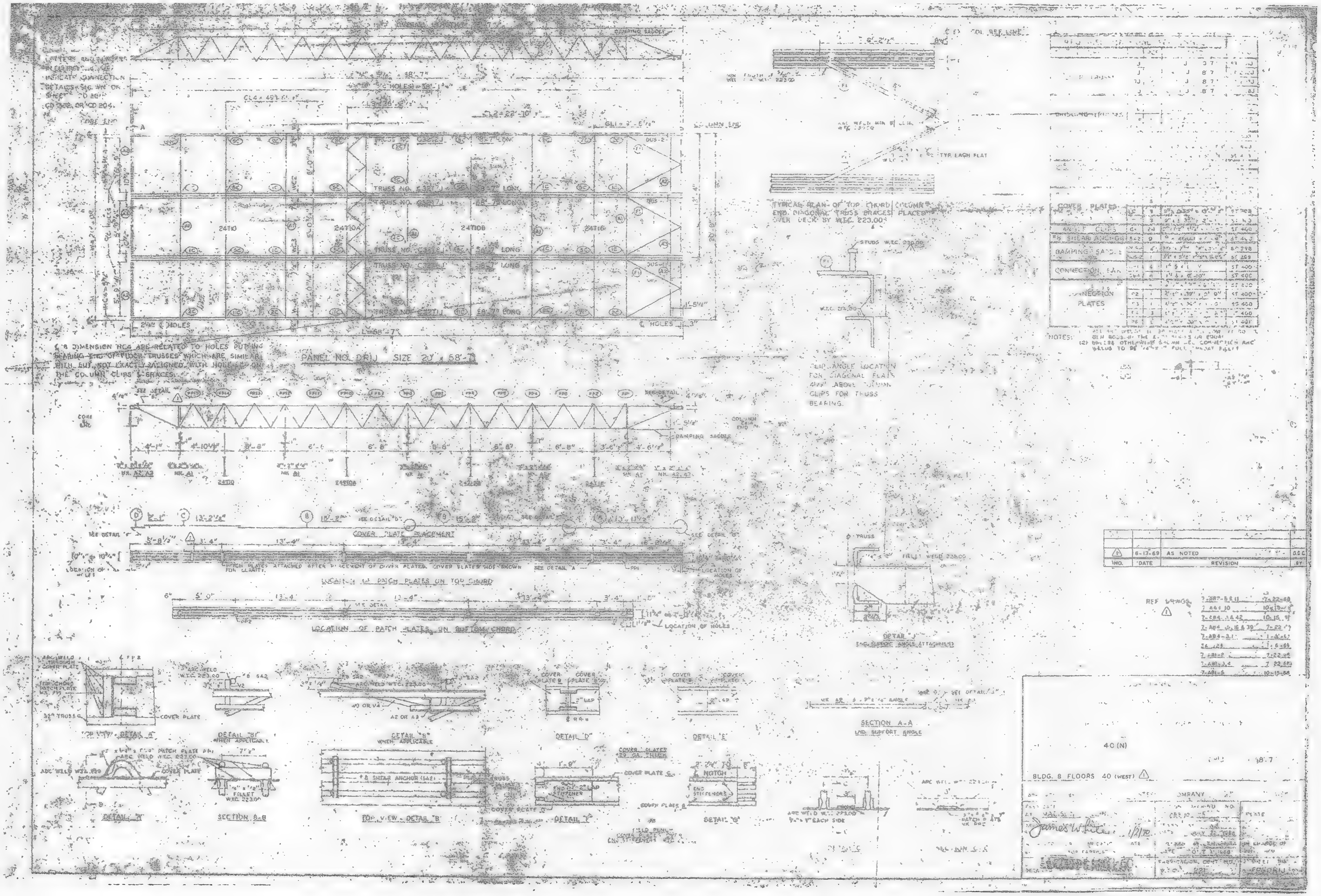
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 203 & CD 204.
CORE END
DAMPING SADDLE
TRUSS NO. C32T8B
TRUSS NO. C32T7B
TRUSS NO. C32T1B
59'-8¼" LONG
24T10
24T10A
24T10B
24T16
L=59'-8½"
2¼" ℄ HOLES
℄ HOLES
℄ & DIMENSION HC ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DR1B SIZE 20' x 59'-8½"
SEE DETAIL
COLUMN END
DAMPING SADDLE
5'-2½"
4'-10⅞"
6'-8"
COVER PLATE PLACEMENT
SEE DETAIL "F"
SEE DETAIL "G"
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
5'-0"
13'-4"
3'-6"
SEE DETAIL C
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON BOTTOM CHORD
END DIAGONAL
TYP. EACH FLAT
BEARING
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
ARC WELD W.T.C. 223.00
COVER PLATE
NOTCH
END STIFFENERS
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
NOTES:
1 | 6-17-69 | AS NOTED
NO. | DATE | REVISION | BY
REF. DRWGS.
7-A81-5 10-15-68
FLOOR PANEL DETAILS
TRADE CENTER N.Y.C.
NEW YORK AUTHORITY
FLOORS 84-91, 93-106 (N)
DR1B
BLDG. B FLOORS 84-91, 93-106 (WEST)
STEEL COMPANY
James White 1/2/70
OCT. 31, 1968
DR1B

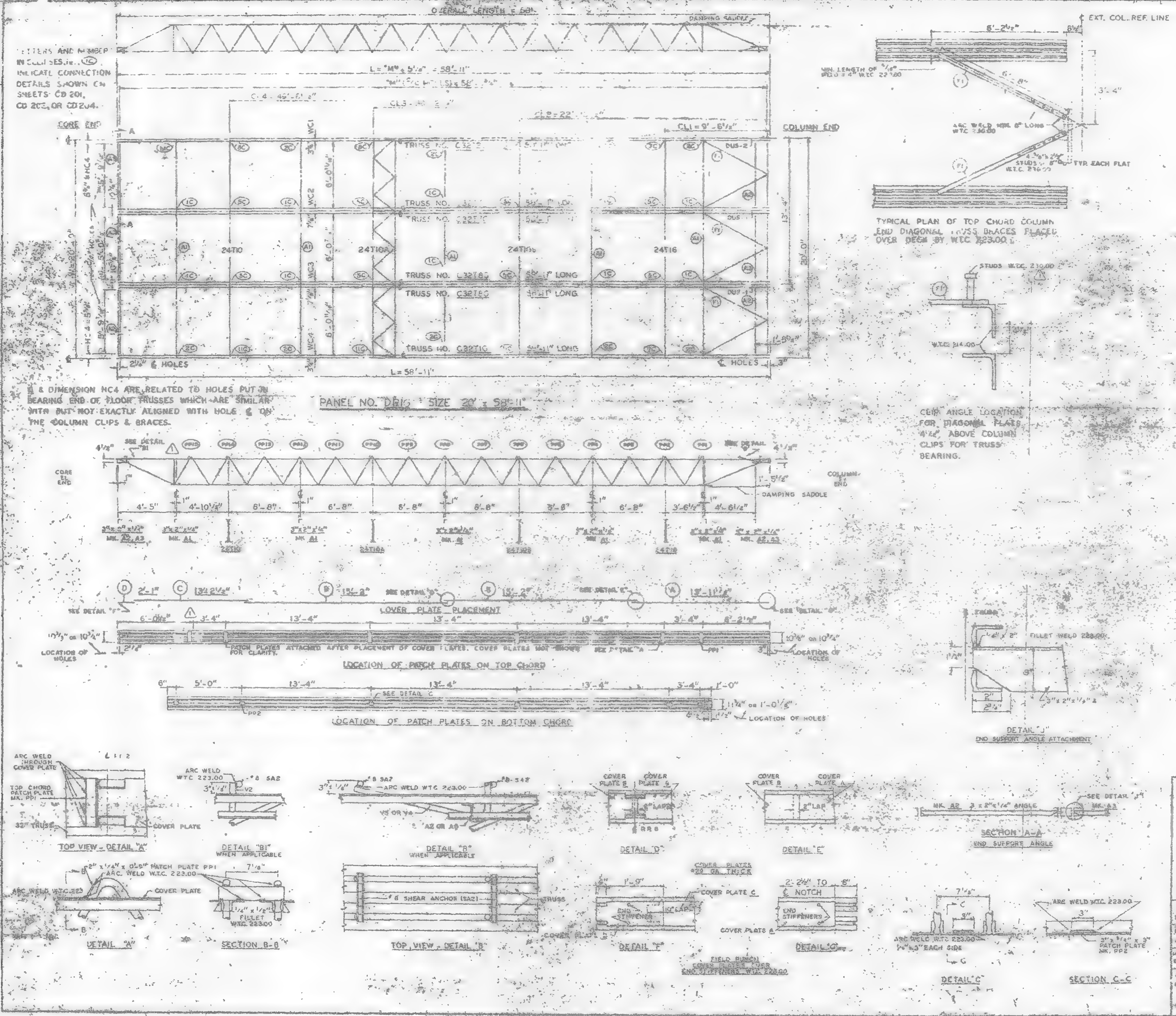

PANEL NO. DRIC SIZE 20' x 59'8"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
COVER PLATES
CONNECTION PLATES
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "C" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "F"
SECTION B-B
TOP VIEW - DETAIL "B"
SECTION A-A END SUPPORT ANGLE
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
6-17-69 AS NOTED
NO. DATE REVISION BY
REF. DWGS
7-ABI-5 10-15-68
50-58, 60-66, 68-74, 80-91, 93-106 (S)
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-106 (EAST)
James White 1/2/70
OCT. 31, 1968


PANEL NO. DRIP
TRUSS NO. C32T2P
57'-7" LONG
DAMPING SADDLE
COLUMN LINE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
COVER PLATES
CONNECTION PLATES
TOP VIEW - DETAIL "A"
DETAIL "B1"
DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
SECTION B-B
SECTION A-A
SECTION C-C
TOP VIEW - DETAIL "H"
REF. DWGS.
FLOOR PANEL DETAILS
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)
FABRICATED AT MADISON
DATE 1/2/70
DATE OCT. 31, 1968
DRIP


LETTERS AND NUMBERS
INDICATE CONNECTION
DETAILS SHOWN ON
CORE END
COLUMN END
TRUSS NO. C3217M 58'-3" LONG
TRUSS NO. C3217M 58'-3" LONG
TRUSS NO. C3217M 58'-3" LONG
TRUSS NO. C3218M 58'-3" LONG
TRUSS NO. C3218M 58'-3" LONG
TRUSS NO. C3211M 58'-3" LONG
24T10
24T10A
24T10B
24T16
PANEL NO. DRIM SIZE 20' x 58'-3"
℄ & DIMENSION ROWS ARE LOCATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLES ℄ ON THE COLUMN CLIPS & BRACES
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
TYP EACH FLAT
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
COVER PLATES
ANGLE
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES:
VALUES OTHERWISE SHOWN ALL CONNECTION AND WELDS TO BE 1/4" FULL THROAT FILLET.
6-17-69 AS NOTED
NO. DATE REVISION BY
REF DRWGS
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "B1" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "F"
SECTION A-A END SUPPORT ANGLE
SECTION C-C
ARC WELD W.T.C. 223.00
COVER PLATE
FILLET W.T.C. 223.00
SHEAR ANCHOR
NOTCH
END STIFFENER
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 72-73 (N)
BLDG. B FLOORS 72-73 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO.
OCT 31, 1968


PANEL NO. DRIK SIZE 20' x 58'-6"
CORE END
COLUMN END
24T10
24T15
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL CROSS BRACES PLACED OVER DECK BY WTC 223.00
CLIP ANGLE LOCATION FOR DIAGONAL PLATS ABOVE COLUMN CLIPS FOR TRUSS BEARING
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION PLATES
6-17-69
AS NOTED
NO.
DATE
REVISION
BY
REF DRWGS.
7-ABI-5
10-15-68
TOP VIEW - DETAIL "A"
DETAIL "D"
DETAIL "E"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLE
NEW YORK AUTHORITY
BLDG. A FLOORS 45-46(N)
BLDG. B FLOORS 45-46 (WEST)
AT MADISON
OCT. 31, 1968
DRIK


PANEL NO. DRIJ SIZE 20' x 58'-7"
TRUSS NO.
LONG
24110
24110A
24110B
24116
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DAMPING SADDLE
COL. REF. LINE
COLUMN END
CORE END
TYPICAL PLAN OF TOP CHORD COLUMN END. DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLAT 4" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATES
SHEAR ANCHORS
DAMPING SADDLES
CONNECTION PLATES
NOTES:
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
SECTION B-B
TOP VIEW - DETAIL "B"
COVER PLATE
ARC WELD W.T.C. 223.00
FILLET WELD 223.00
6-17-69
AS NOTED
NO.
DATE
REVISION
REF. DWGS.
40 (N)
BLDG. 8 FLOORS 40 (WEST)



REQUIRED MATERIAL PER PANEL				
MATERIAL	MARK	PCS.	SIZE	
FLOOR TRUSSES	[illegible]	1	[illegible]	[illegible]
	[illegible]	1	[illegible]	[illegible]
	[illegible]	2	[illegible]	[illegible]
	TBC	2	C32T6G [illegible]	[illegible]
BRIDGING TRUSSES	T10	1	[illegible]	[illegible]
	T10A	1	[illegible]	[illegible]
	T10B	1	24T10B [illegible]	[illegible]
	T16	1	24T16 [illegible]	ST 216
3" x 2" x 1/4" ANGLE	A1	5	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	2	[illegible]	[illegible]
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x [illegible]	ST 400
	PP2	16	3" x 3/8" x [illegible]	ST 400
COVER PLATES	A	3	9" x .0135" x [illegible]	[illegible]
	B	6	[illegible]	[illegible]
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	# 5 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/4" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
	CB4	6	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P5	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	8-17-69	AS NOTED	G.D.C.

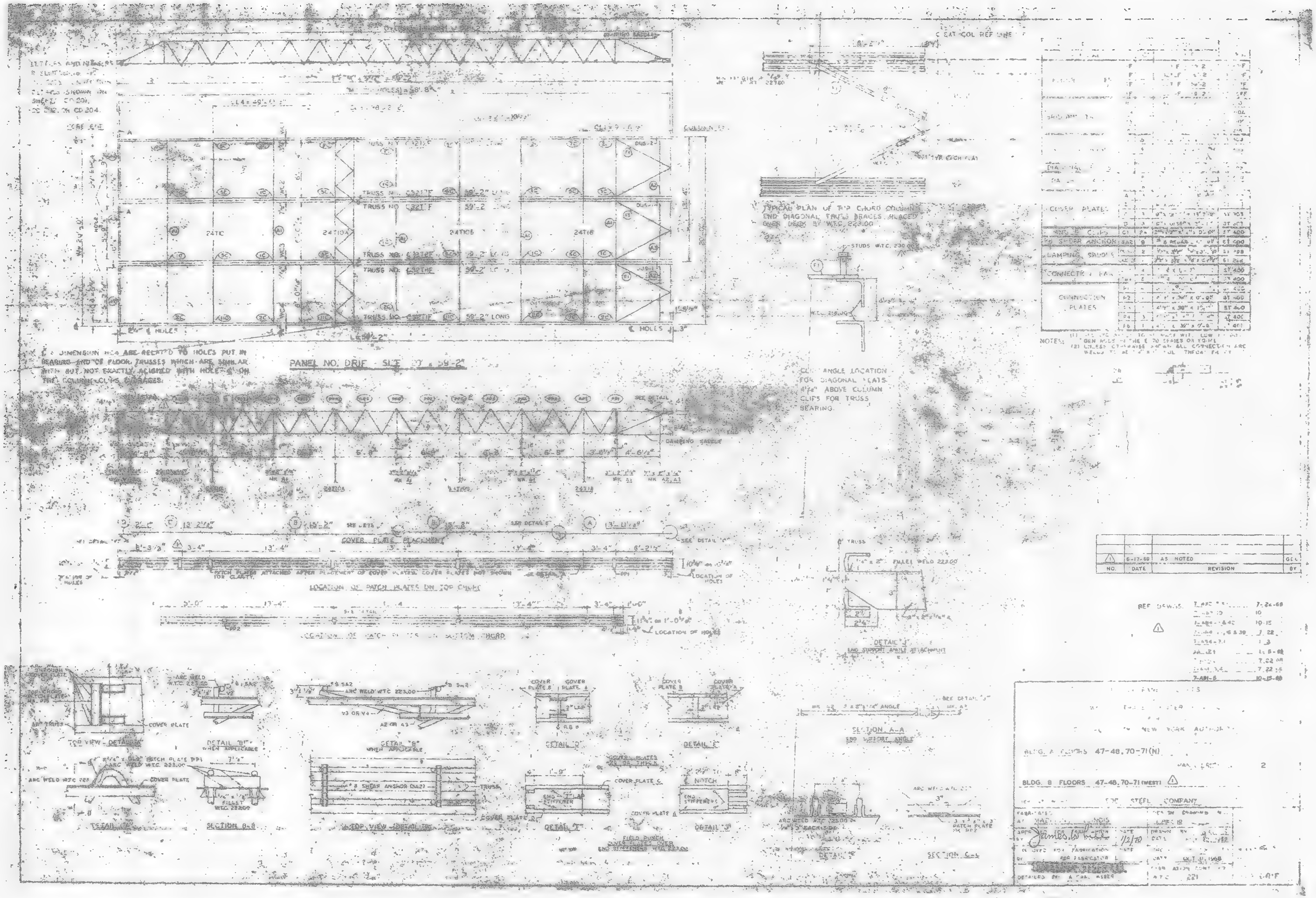
REF. DRWGS. (1)

7-AB2-5 & 11	7-22-68
7-AB3-10	10-15-68
7-AB4-11	1-3-68
7-AB4-15,16 & 39	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-2,3 & 4	7-22-68
7-AB1-5	10-15-68

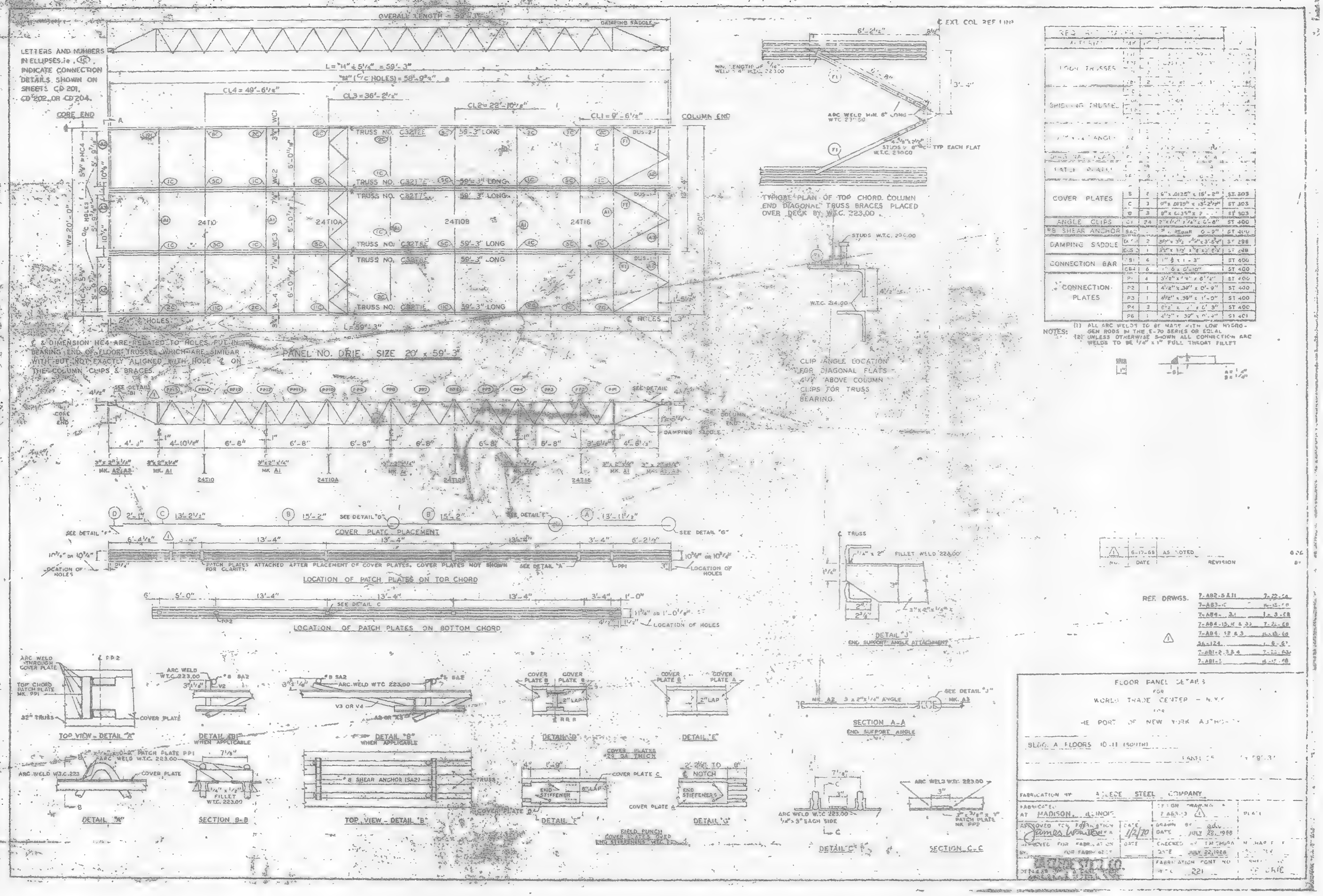
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH) (1)
PANEL DRIG - 20' x 58'-11
BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY [signature] FOR [illegible] — DATE 1/2/70
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
DETAILED BY A. CARL WEBER
DESIGN DRAWING NO 7-A63-10
DRAWN BY G.D.C. DATE JULY 22, 1968
CHECKED BY M. CHORA DATE JULY 22, 1968
FABRICATION CONT. NO. W.T.C. 221
DATE
IN CHARGE OF [illegible]
SHEET NO. FP DRIG

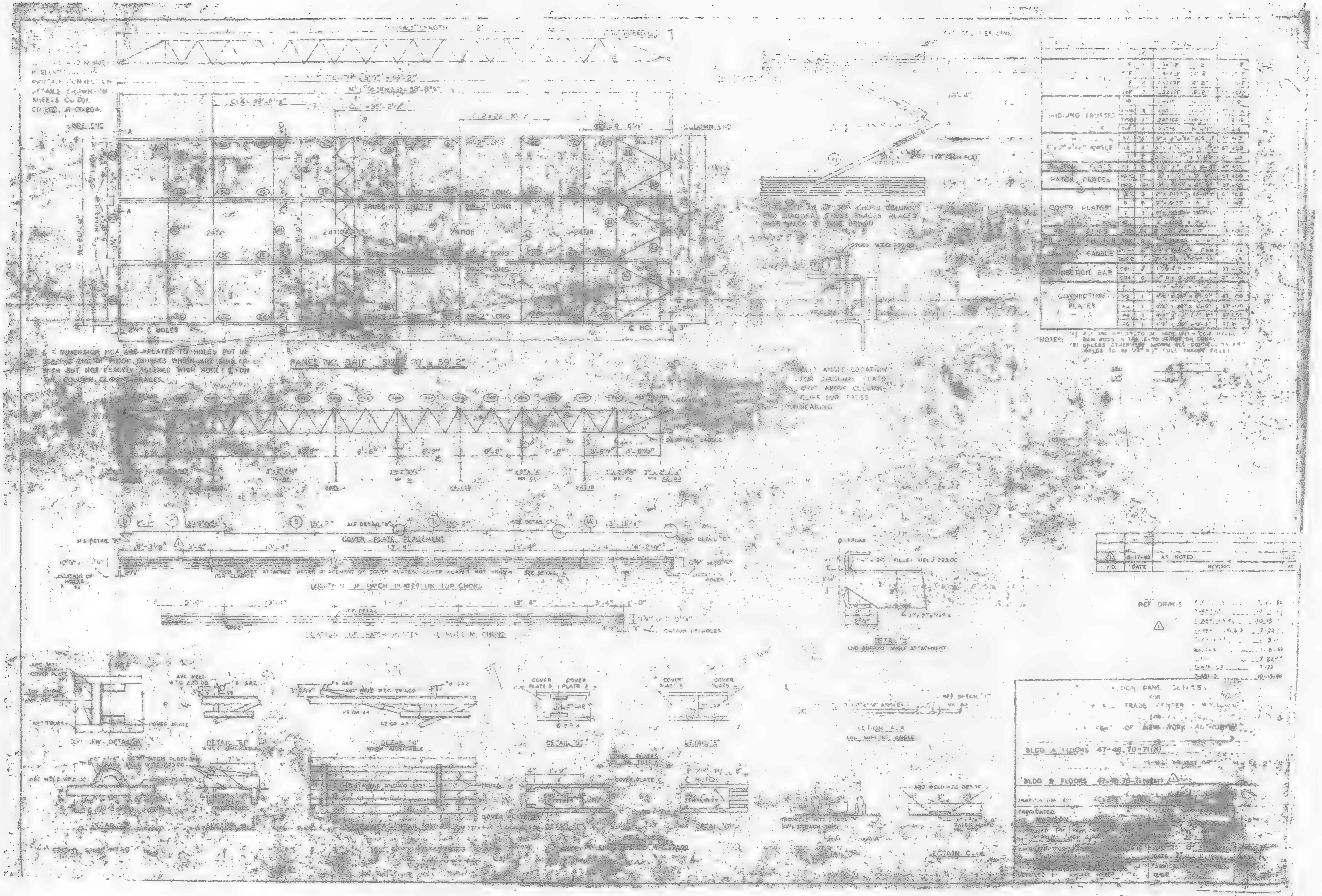


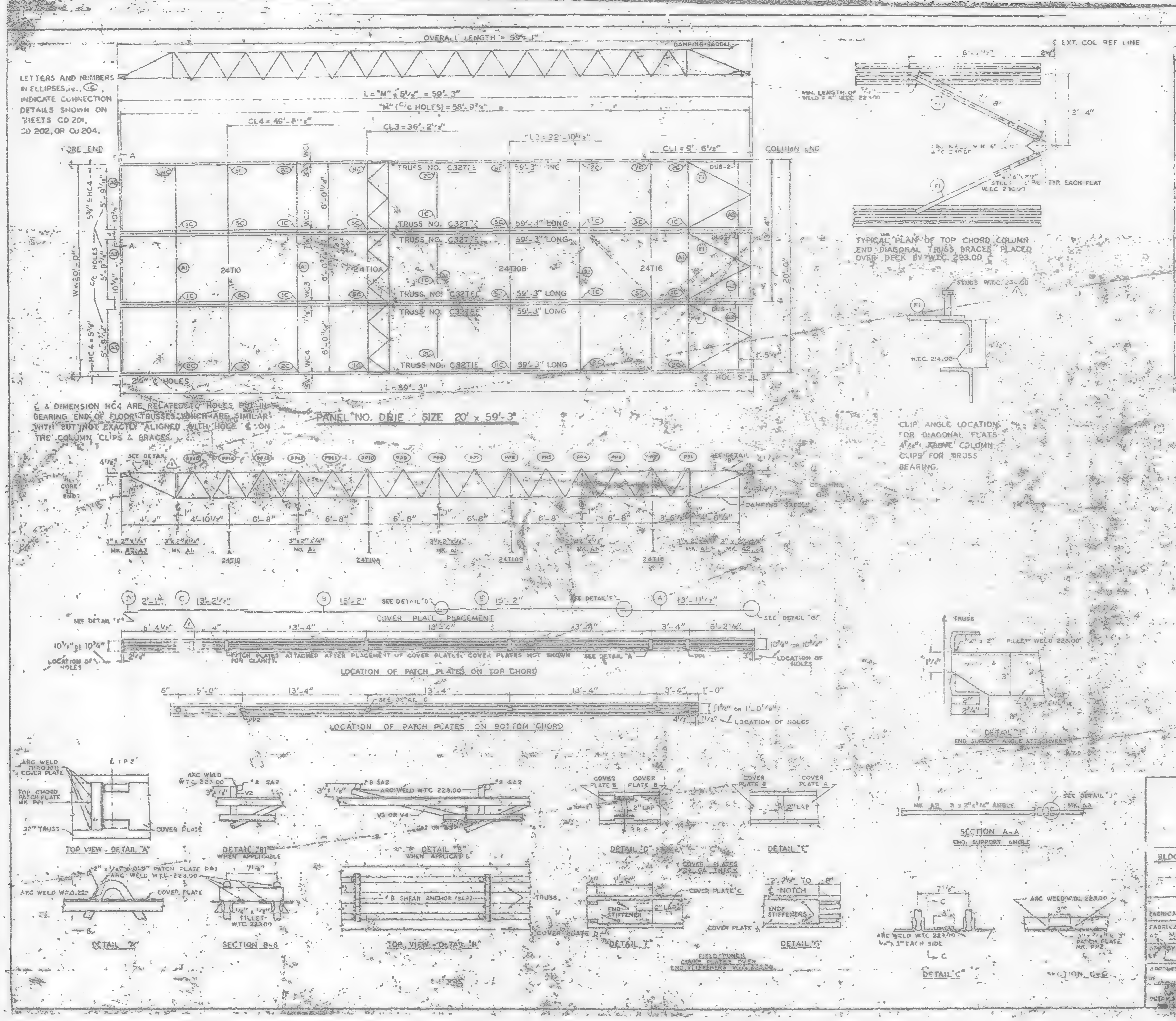
PANEL NO. DRIF
TRUSS NO. C32TF
24T10
24T10A
24T16
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL PLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
CAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
COVER PLATES
SHEAR ANCHOR
CONNECTION PLATES
NOTES:
NO.
DATE
REVISION
BY
6-17-69
AS NOTED
REF. DWGS.
7-ABI-5
10-15-68
TOP VIEW DETAIL
DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
SECTION B-B
SECTION C-C
FIELD PUNCH
BLDG. A FLOORS 47-48, 70-71(N)
2
BLDG. B FLOORS 47-48, 70-71 (WEST)
STEEL COMPANY
FOR FABRICATOR
DETAILED BY
OCT. 31, 1968
1/2/70
221



REQ'D MATERIAL				
MATERIAL	MK	NO.	SIZE	
FLOOR TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
BRIDGING TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
ANGLE	[illegible]	[illegible]	[illegible]	[illegible]
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
PATCH PLATES	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	S	2	6" x .0125" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x 0.35" x [illegible]	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR 0-9"	ST 400
DAMPING SADDLE	DS-2	2	3 1/2" x 3 1/2" x 5/8" x 3'-6 3/4"	ST 298
	DS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/4"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x [illegible] x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	[illegible] x 0'-9"	ST 400
	P6	1	4 1/2" x .39" x 0'-[illegible]"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET


PANEL NO. DRIF SIZE 20' x 59'-2"
TRUSS NO. 5927 F 59'-2" LONG
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DAMPING SADDLE
COVER PLATES
PATCH PLATES
CONNECTION BAR
CONNECTION PLATES
DAMPING SADDLE
NOTES:
CLIP ANGLE LOCATION FOR DIAGONAL PLATS 4 1/4" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "B"
DETAIL "C"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
SECTION B-B
DETAIL "F"
END SUPPORT ANGLE ATTACHMENT
REF DRAWS
NO.
DATE
REVISION
AS NOTED
TRADE CENTER
OF NEW YORK AUTHORITY
BLDG. A FLOORS 47-48, 70-71 (N)
BLDG. B FLOORS 47-48, 70-71 (WEST)
7-A81 2
10-15-68
1-6-69



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3"x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-3"	ST 400
	PP2	16	3" x 1/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/8" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/4"	ST 288
	DUS-2	4	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/4"	ST 288
CONNECTION BAR	CB1	4	1" ∅ x 1'-3"	ST 400
	CB4	6	1" ∅ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	[illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	2	6 1/2" x 1/2" x 0'-8"	ST 400
	P5	1	4 1/2" x .35" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" - 1" FULL THROAT FILLET.

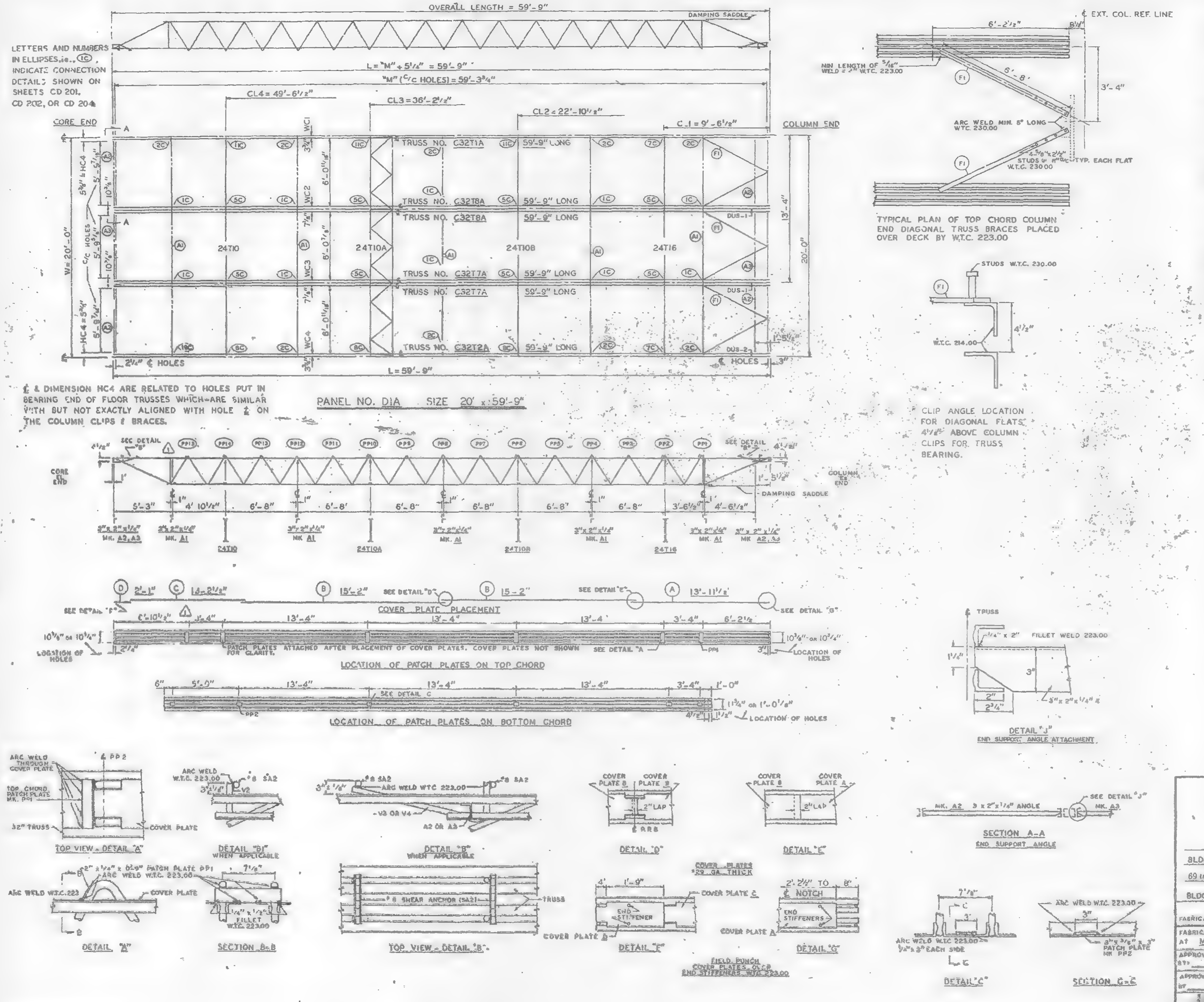
NO.	DATE		REVISION
1	6-17-68	AS NOTED	

REF. DRWGS.
7-AB2 3 & 11 — 7-22-68
7-AB3 — 10-15-68
7-AB4 — 10-15-68
7-AB4-15, 17 & 39 — 7-22-68
7-AB4-42 & 43 — 10-15-68
SA-124 — 1-9-69
7-AB1-2 3 & 4 — 7-22-68
7-AB1-5 — 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)
PANEL DRIE

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-10 (1)
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE [illegible]
DRAWN BY [illegible] DATE JULY [illegible]
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY [illegible] DATE JULY [illegible]
FABRICATION CONT. NO. WTC 221
SHEET FP DRIE



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T108	1	24T108 - 19'-11"	BT 2108
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-6"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	F.S.A.	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 5/8"	ST 292
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
	CB4	8	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/8"	ST 400
	P2	1	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .30" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

A = 1/4"
B = 1/4"

BY	DATE	REVISION	
1	6-10-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-30	7-22-68
7-AB4-15 & 18	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-8-69
7-AB1-2, 3 & 4	7-22-68
7-AB1-3, 4 & 5	10-15-68

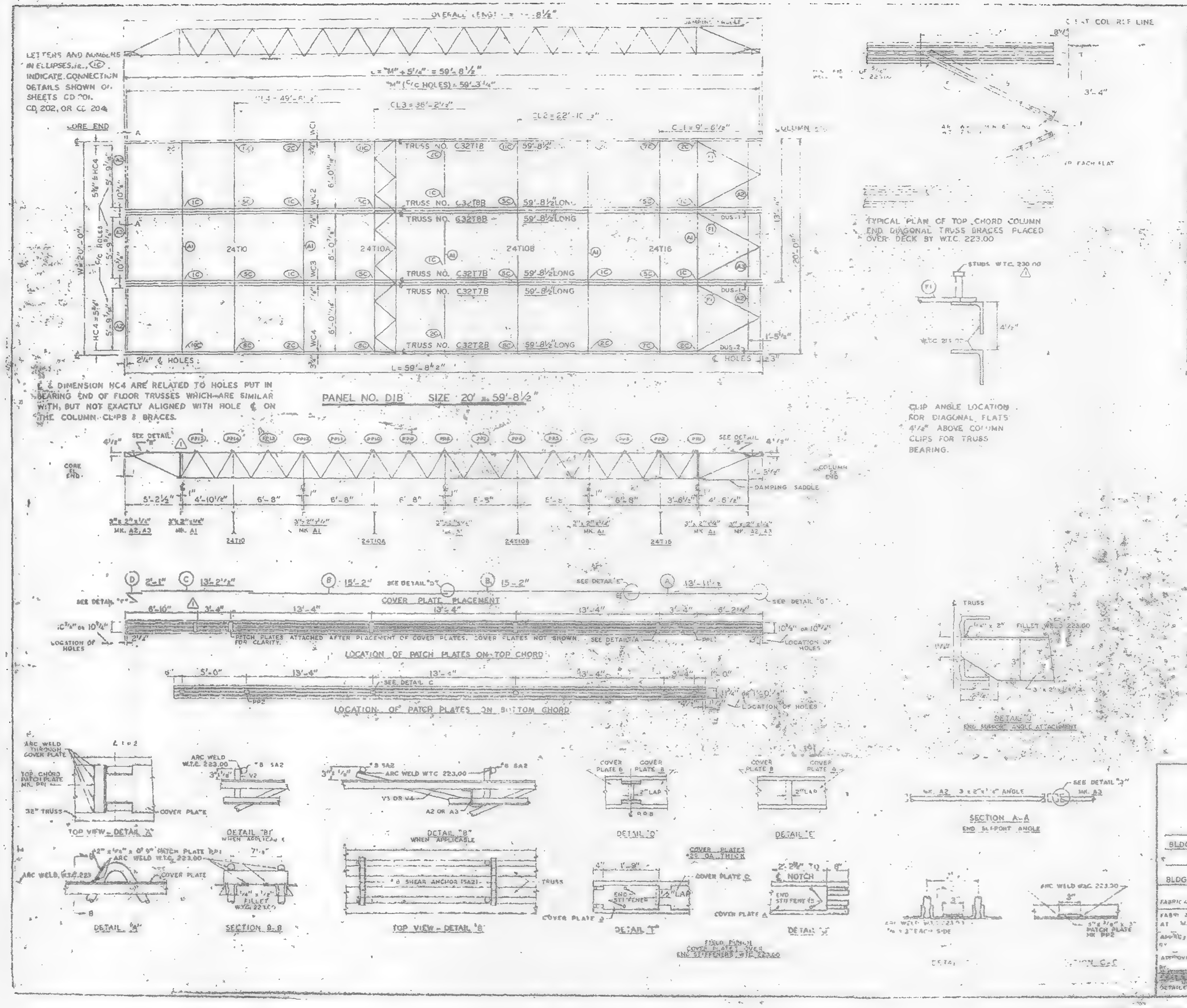
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 40-58, 60-66, 68, 69 (NORTH) PANEL 20' x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 40-...-69

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-9 4-15-68	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE	DRAWN BY: G.D.C. DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROG. DEV.
DETAILED BY		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP DIA



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS.	SIZE	DRWG
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8½"	ST 201B
	T2B	1	C32T2B - 59'-8½"	ST 202B
	T7B	2	C32T7B - 59'-8½"	ST 207B
	T8B	2	C32T8B - 59'-8½"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#5 SHEAR ANCHOR	SA2	12	#5 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ¼" x 3'-[illegible]"	ST 298
	DUS-2	1	3½" x 3½" x ¼" x 3'-6¼"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
	CB4	8	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	4	[illegible]	ST 400
	P2	1	4½" x .30" x 0'-9"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .30" x 0'-[illegible]"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-3 & 11	7-22-68
7-AB3-0	10-15-68
7-AB4-31	1-3-68
7-AB4-15, 6 & 30	7-22-68
7-AB4-22 & 3	10-15-68
SA-12A	1-6-69
7-191-2, 3 & 4	7-22-68
7-181-5	10-15-68

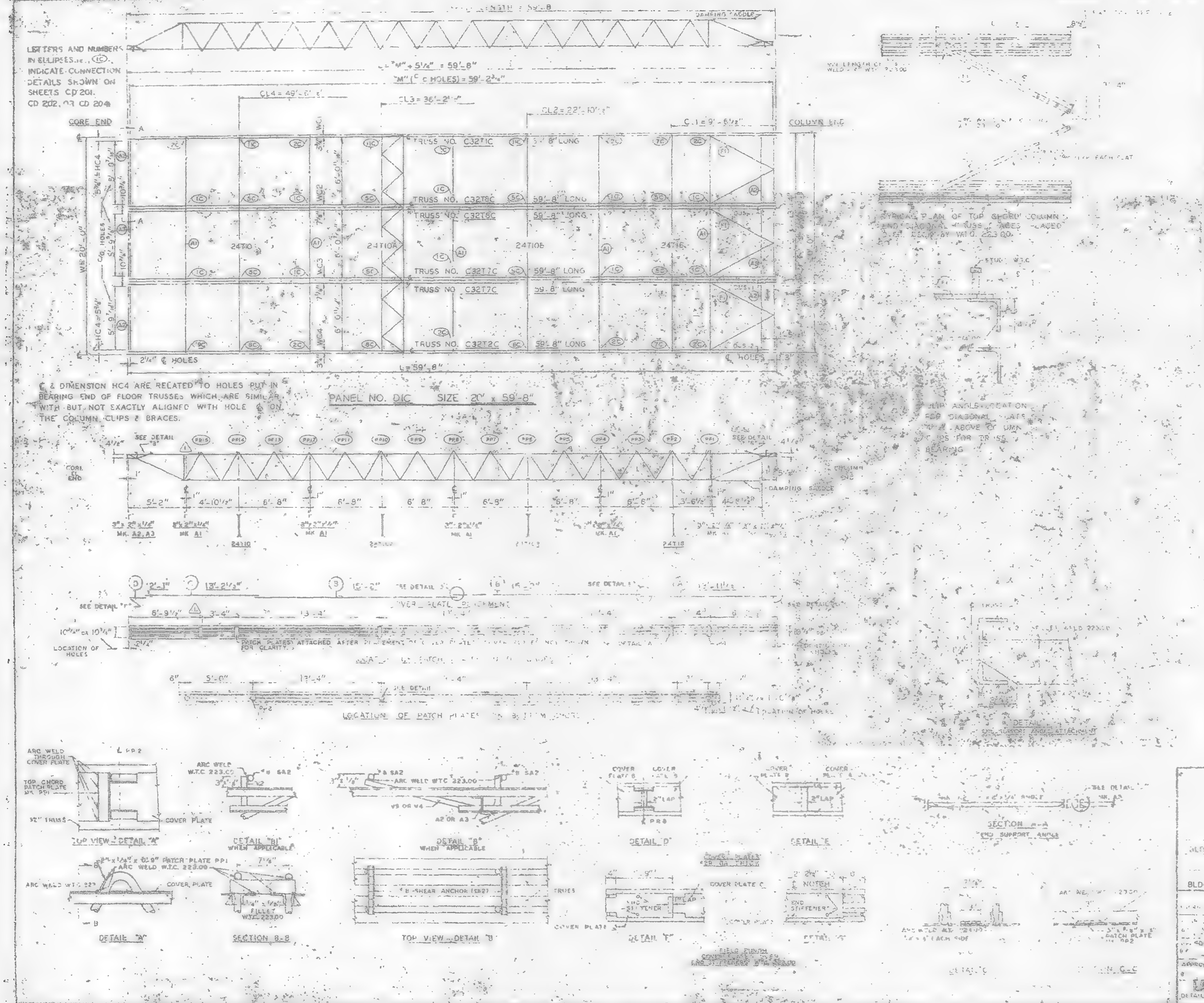
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)

PANEL D1B - (20' x 59'-8½")

BLDG. B FLOORS 84-91, 93-106 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-0
DRAWN BY: G.L.C.
DATE OCT 24, 1968
CHECKED BY: T.R. GRUBB
DATE OCT 24, 1968
APPROVED FOR FABRICATION BY — FOR P.A. of N.Y.A. — DATE
APPROVED FOR FABRICATION BY — FOR FABRICATOR — DATE
DETAILED BY: P. EARL WEBER
FABRICATION CONTR. NO. W.T.C. 221



[illegible] PER PANEL				[illegible]
MATERIAL	MK.	[illegible]	SIZE	DRWG.
FLOOR [illegible]SSES	[illegible]C		C32T1C - 59'-8"	ST 201C
	[illegible]C	1	C32T8C - 59'-8"	ST 202C
	[illegible]C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
[illegible] TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
[illegible] ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11[illegible]"	ST 403
[illegible] PLATE	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	19	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	5	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-3"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 5/16" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 5/16" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
	CB4	6	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 5 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW-HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-6	10-15-6[illegible]
7-AB4-[illegible]	[illegible]
7-AB4-15, 6 & 39	[illegible]-22-[illegible]
7-AB4-42 & 3	10-15-6[illegible]
S-124	1-6-69
[illegible]-AB1-2, 3 & 4	7-22-6[illegible]
[illegible]-AB1-5	10-15-6[illegible]

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
[illegible] NEW YORK [illegible] AUTHORITY

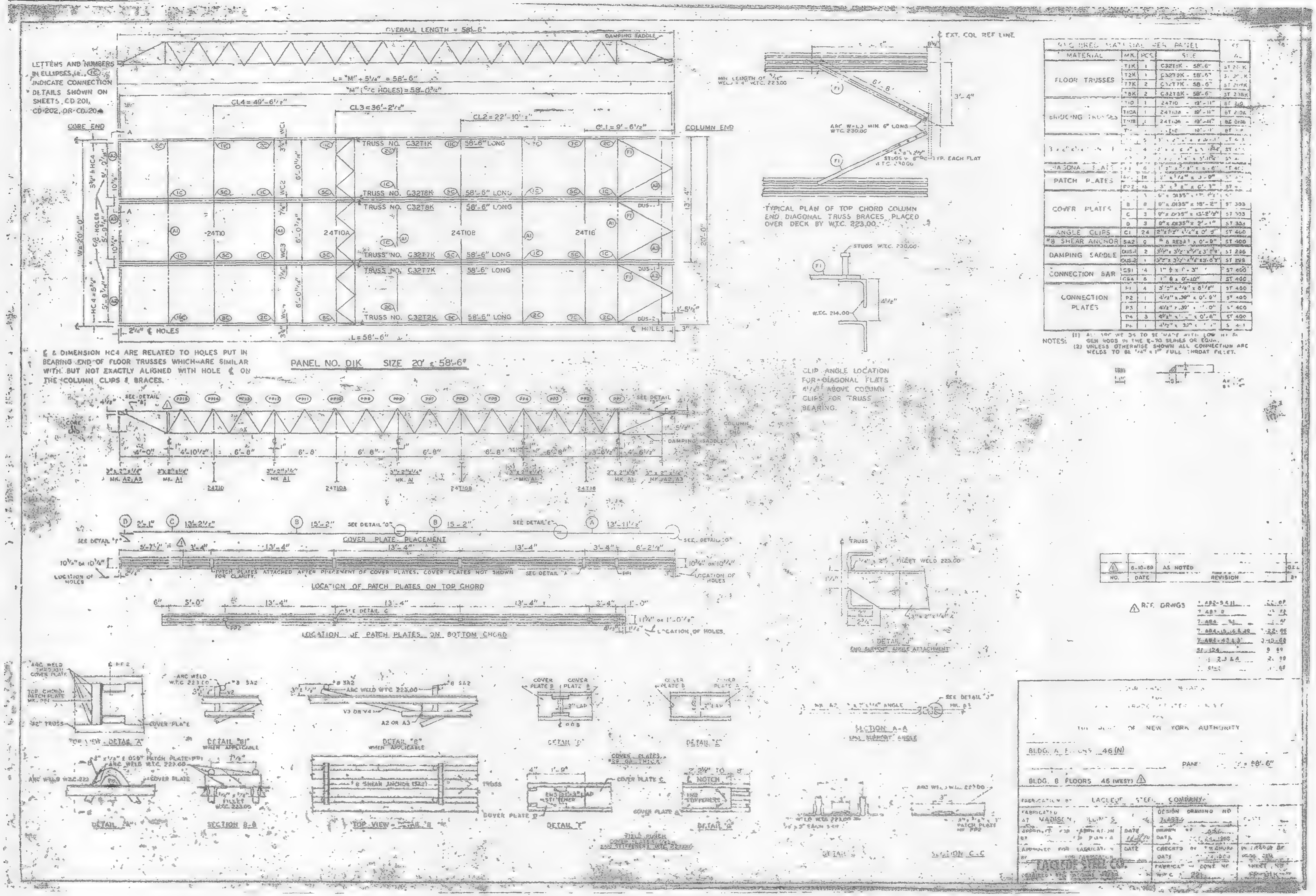
BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91 & [illegible]

PANEL D1C [illegible] 59'-8"

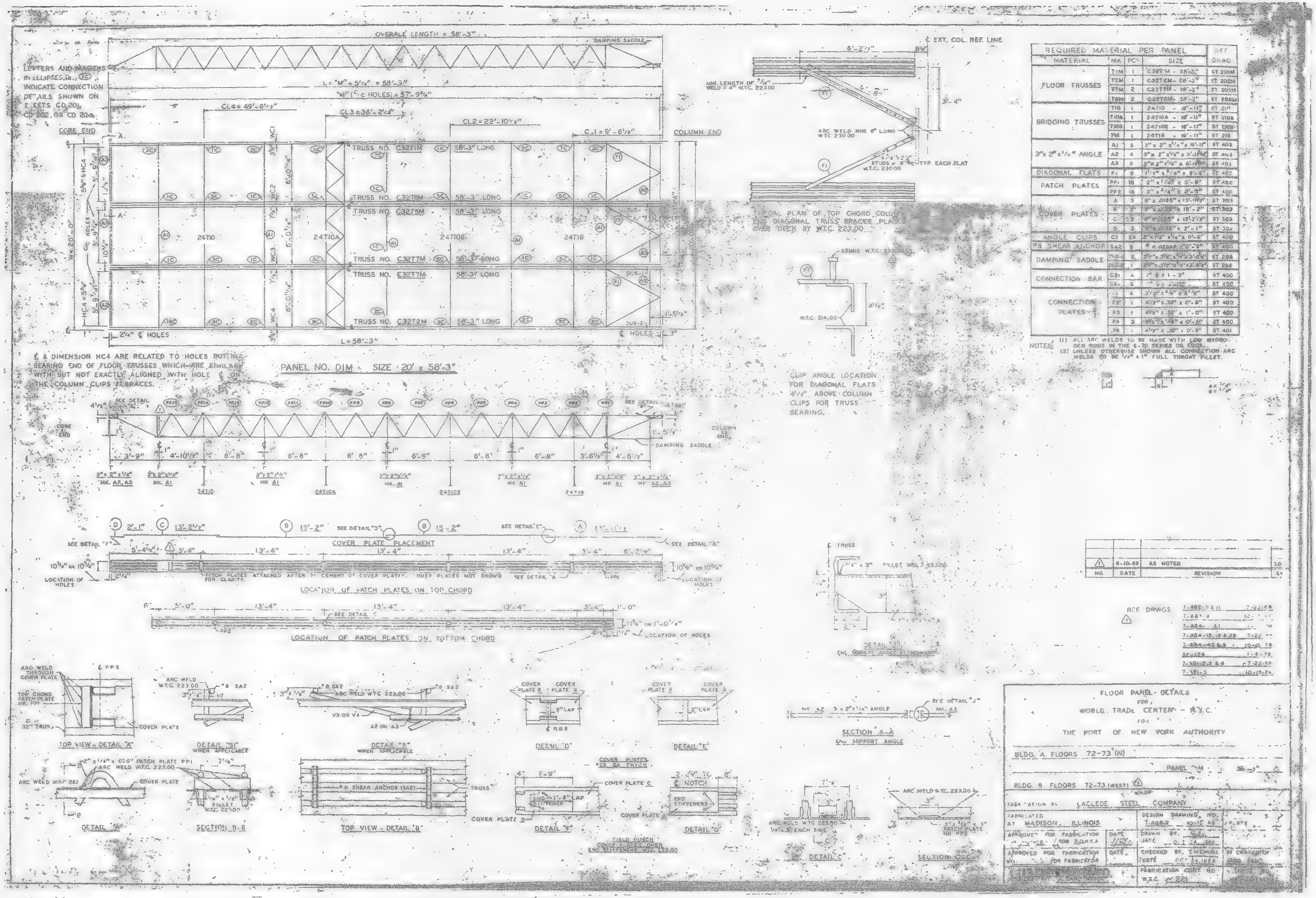
BLDG. B FLOORS 50-58, 60-74, 79-91 & 93-106 (EAST) 1

[illegible] STEEL COMPANY

DESIGN DRAWING NO. 7-AB3-9
DRAWN BY [illegible] DATE OCT 24 1968
CHECKED BY T.M. CHUNG DATE OCT 24 1968
FABRICATION CONT. NO. W.T.C. [illegible]221
DETAILED BY A. CARL WEBER
APPROVED FOR FABRICATION
IN CHARGE OF
SHEET NO. [illegible] D1C



OVERALL LENGTH = 58'-6"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
L = "M" + 5 1/4" = 58'-6"
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
CORE END
COLUMN END
TRUSS NO. C32T1K
58'-6" LONG
TRUSS NO. C32T8K
TRUSS NO. C32T7K
TRUSS NO. C32T2K
24T10
24T10A
24T10B
24T16
W = 20'-0"
2 1/4" ℄ HOLES
℄ HOLES
L = 58'-6"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1K SIZE 20' x 58'-6"
EXT. COL REF LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES: (1) ALL PCS ARE TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
SECTION C-C
#8 SHEAR ANCHOR (SA2)
FIELD SPLICE COVER PLATES AND STIFFENERS W.T.C. 223.00
AS NOTED
NO. DATE REVISION
REF. DRWGS
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 46 (N)
BLDG. B FLOORS 46 (WEST)
FABRICATED BY LACLEDE STEEL COMPANY
AT MADISON, ILLINOIS
DESIGN DRAWING NO.
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS	SIZE	DWG
FLOOR TRUSSES	T1M	1	C32T1M - 58'-3"	ST 201M
	T2M	1	C32T2M - 58'-3"	ST 202M
	T7M	2	C32T7M - 58'-3"	ST 207M
	T8M	2	C32T8M - 58'-3"	ST 208M
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x [illegible]	ST 403
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/2" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	6" x .0135" x 13'-11 1/2"	ST 303
	B	5	6" x .0135" x 15'-2"	ST 303
	C	3	6" x .0135" x 13'-2 1/2"	ST 303
	D	3	6" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 3/4"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 3/4"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB-	3	[illegible]	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .33" x 0'-8"	ST 400
	P3	1	4 1/2" x .33" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/4" x 0'-6"	ST 400
	P8	1	4 1/2" x .33" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

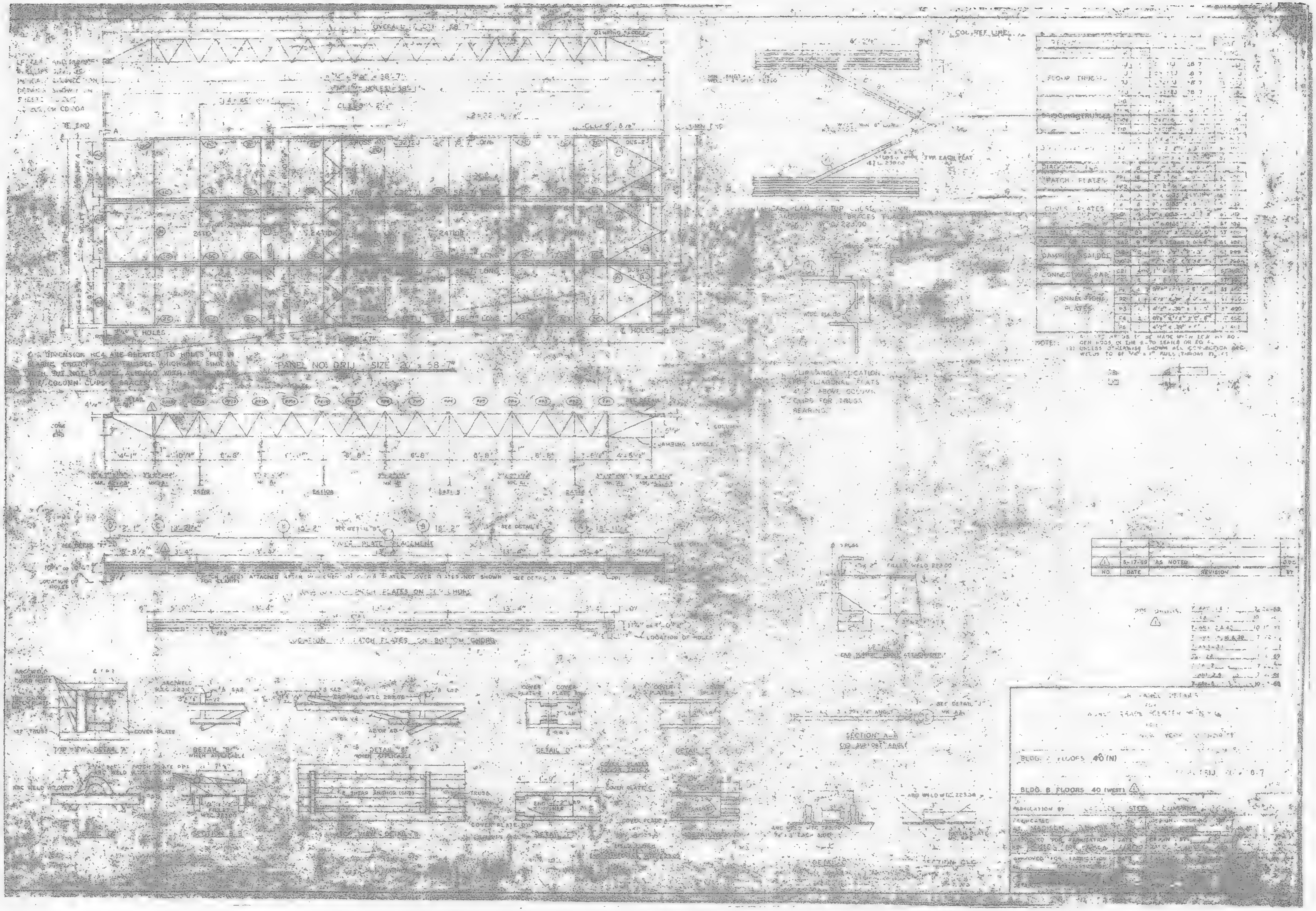
BLDG. A. FLOORS 72-73 (N)

PANEL M - 58'-3"

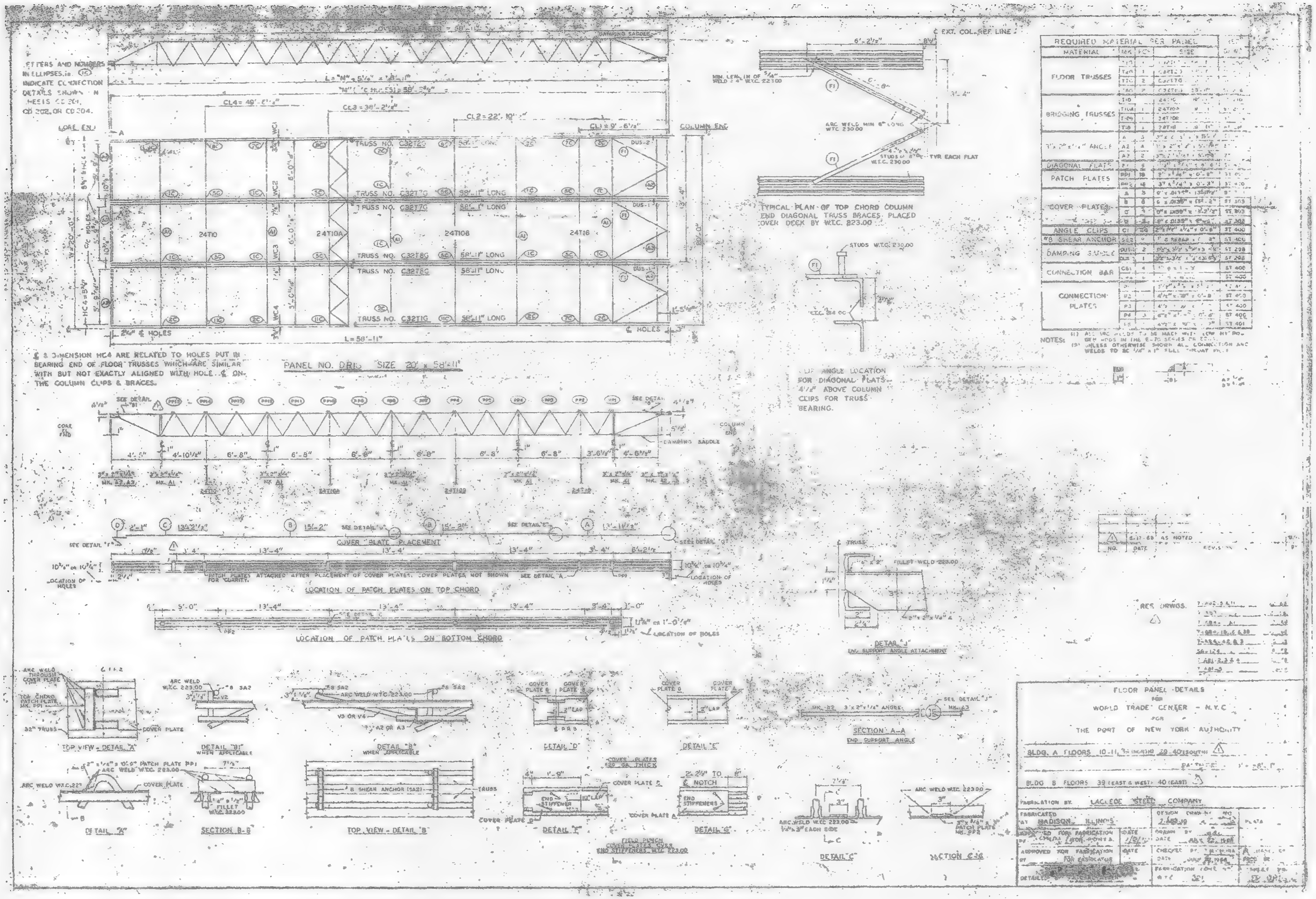
BLDG. B FLOORS 72-73 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

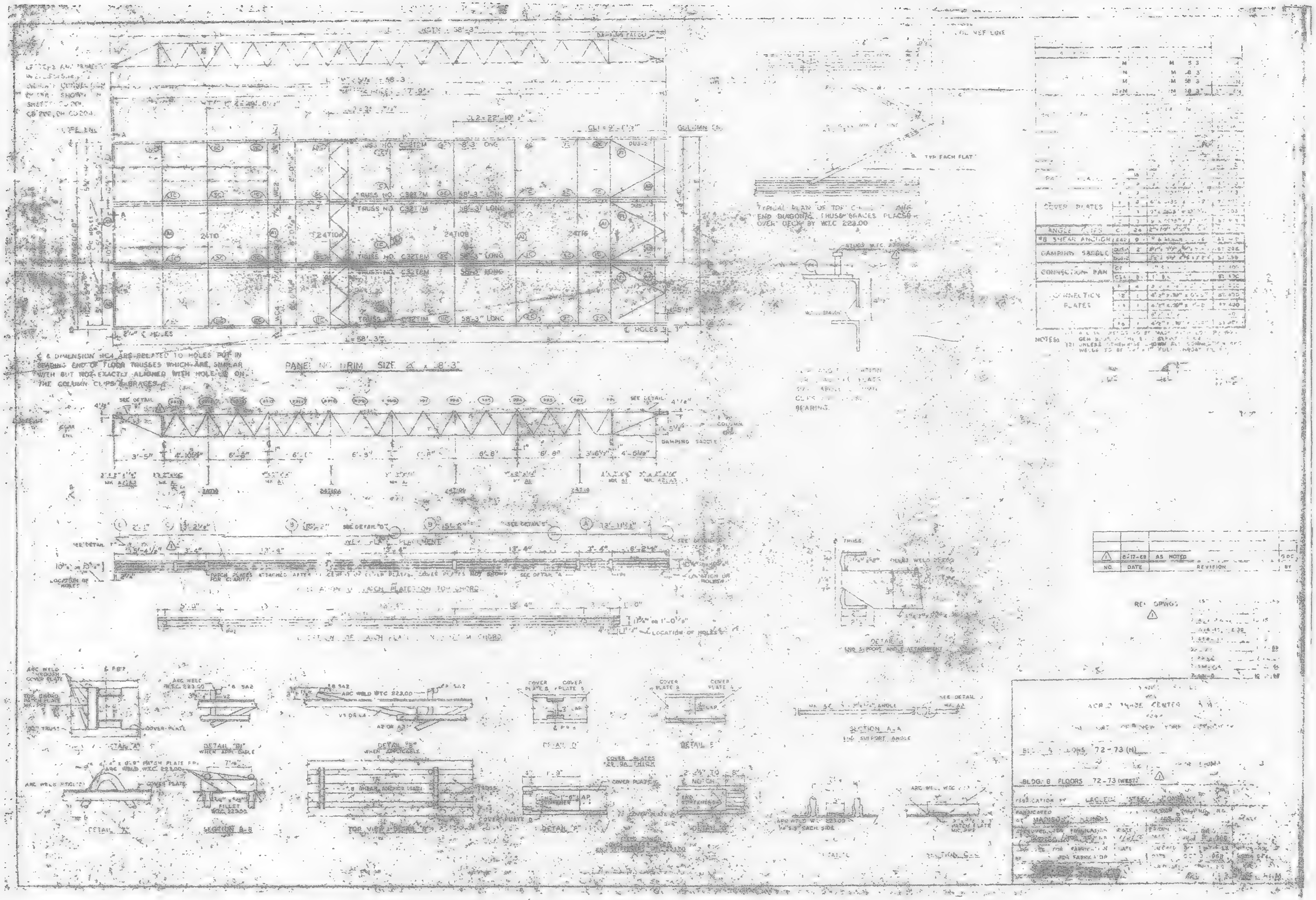
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-9 10-15-68	
APPROVED FOR FABRICATION FOR P.O.N.Y.A	DATE	DRAWN BY [illegible] DATE OCT 24 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY [illegible] DATE OCT 24, 1968	IN CHARGE OF
		FABRICATION CONT. NO. W.T.C. 221	



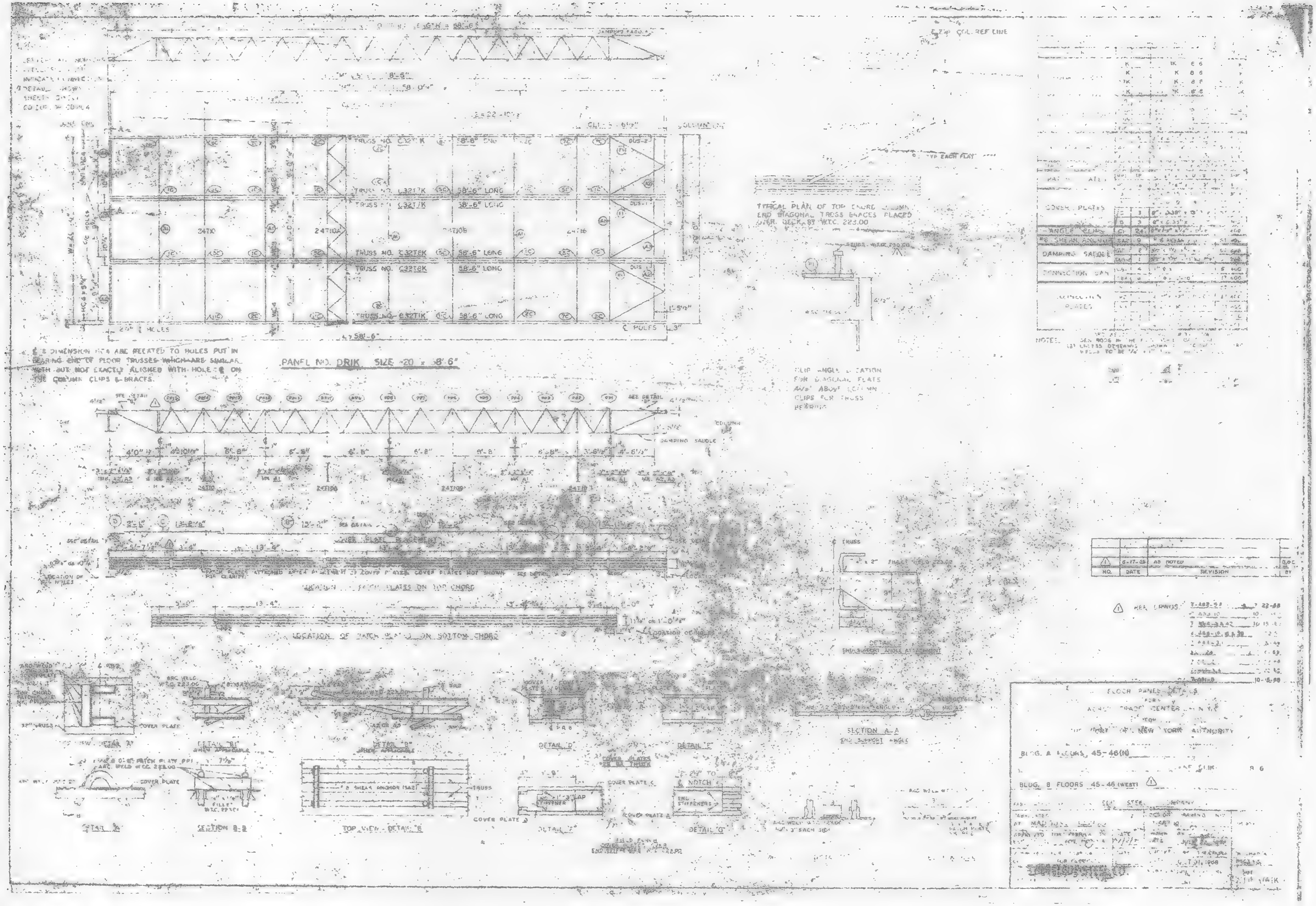
PANEL NO: DRIJ SIZE 20' x 58'-7"
COVER PLATE PLACEMENT
FLOOR TRUSSES
BRIDGING TRUSSES
PATCH PLATES
DAMPING SADDLES
CONNECTION PLATES
SECTION A-A
DETAIL "B"
DETAIL "D"
TOP VIEW DETAIL "A"
8-17-69 AS NOTED
NO. DATE REVISION
BLDG. B FLOORS 40 (WEST)



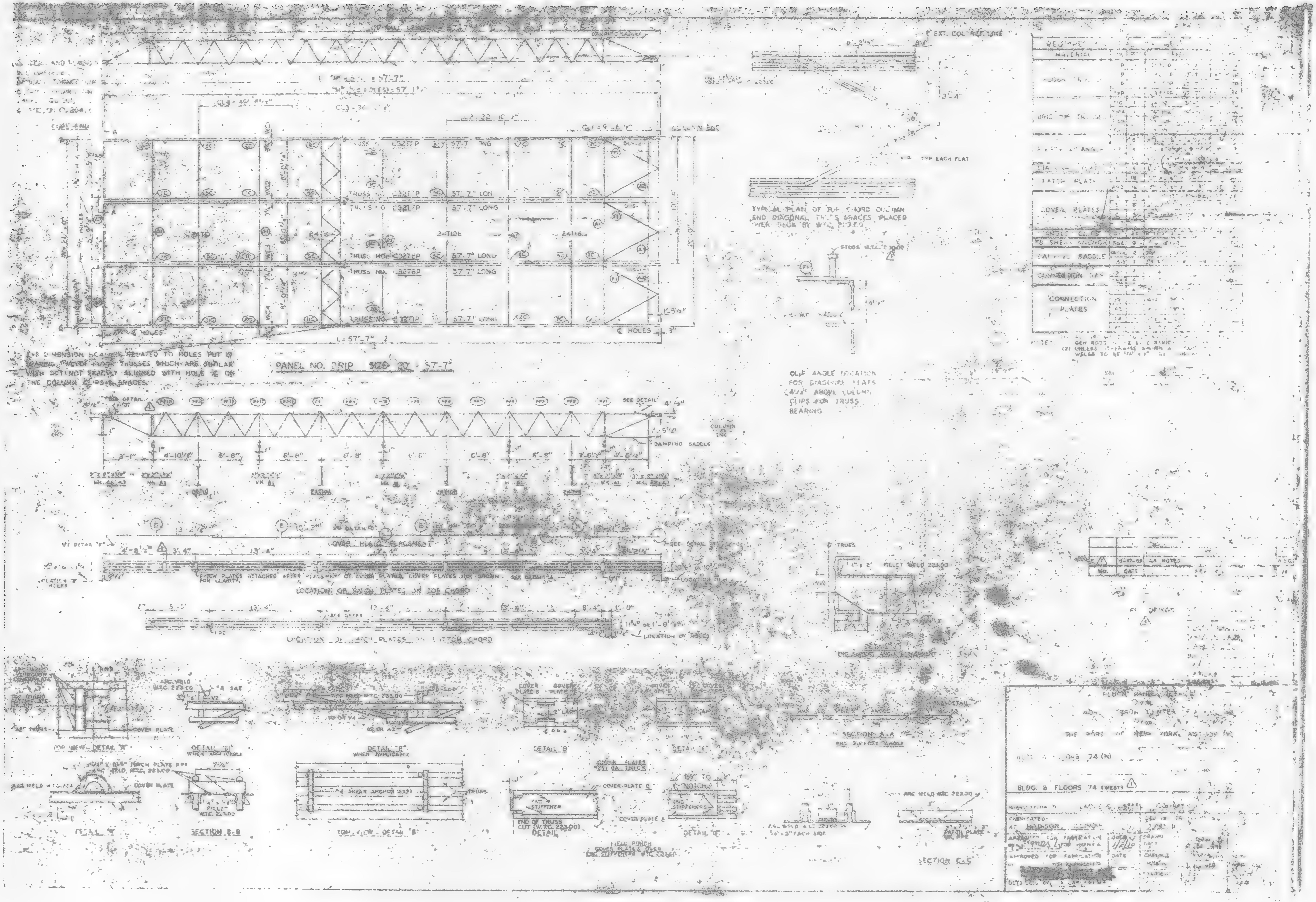
LETTERS AND NUMBERS IN ELLIPSES, i.e. (16) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204.
CORE END
COLUMN END
TRUSS NO. C32T2G 58'-11" LONG
TRUSS NO. C32T7G 58'-11" LONG
TRUSS NO. C32T7G 58'-1" LONG
TRUSS NO. C32T8G 58'-11" LONG
TRUSS NO. C32T6G 58'-11" LONG
TRUSS NO. C32T1G 58'-11" LONG
24T10
24T10A
24T10B
24T16
CL4 = 49'-0"-2"
CL3 = 38'-2"
CL2 = 22'-10"
CL1 = 9'-6½"
L = 58'-11"
℄ EXT. COL. REF. LINE
6'-2½"
3'-4"
ARC WELD MIN 6" LONG W.T.C. 230.00
STUDS W.T.C. 230.00
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES. PLACED COVER DECK BY W.T.C. 823.00
CLIP ANGLE LOCATION FOR DIAGONAL PLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DR16 SIZE 20' x 58'-11"
DAMPING SADDLE
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL PLATES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES:
DETAIL "J" EV. SUPPORT ANGLE ATTACHMENT
FILLET WELD 223.00
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
#8 SHEAR ANCHOR (SA2)
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
COVER PLATES 22 GA. THICK
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
ARC WELD W.T.C. 223.00
REF. DRWGS.
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH)
BLDG B FLOORS 39 (EAST & WEST) 40 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
APPROVED FOR FABRICATION
DATE
DESIGN DRAWING NO.
DRAWN BY
CHECKED BY
FABRICATION CONT. NO.
DETAILED



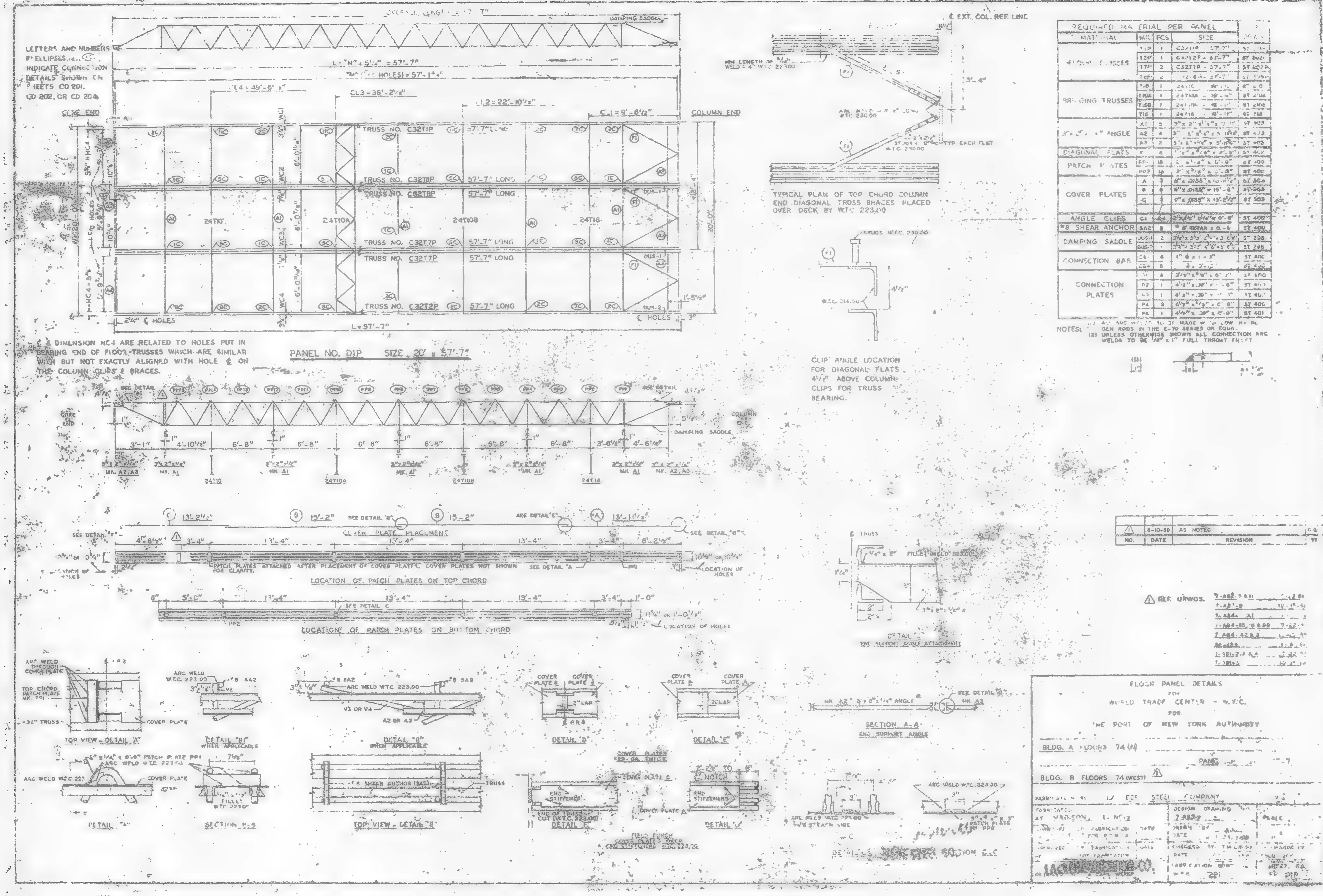
PANEL NO. TRIM SIZE
TYPICAL PLAN OF TOP CHORD
END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
COVER PLATES
ANGLE CLIPS
CAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
DAMPING SADDLE
SEE DETAIL
LOCATION OF HOLES
DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
SECTION B-B
TOP VIEW OF DETAIL "B"
SECTION C-C
6-17-69 AS NOTED
NO. DATE REVISION
REF. DRWGS
BLDG. B FLOORS 72-73 (N)
BLDG. B FLOORS 72-73 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY



PANEL NO. DRIK SIZE 20' x 58'-6"
TRUSS NO. C32T7K 58'-6" LONG
TRUSS NO. C32T8K 58'-6" LONG
DAMPING SADDLE
COVER PLATES
ANGLE CLIPS
CONNECTION BAR
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SECTION A-A
END SUPPORT ANGLE
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
SECTION B-B
TOP VIEW - DETAIL "B"
FLOOR PANEL DETAILS
WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45-46 (N)
BLDG. B FLOORS 45-46 (WEST)



PANEL NO. DRIP SIZE 20' x 57'-7"
TRUSS NO. C32T6P
57'-7" LONG
L = 57'-7"
DAMPING SADDLE
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF HOLES
CONNECTION PLATES
COVER PLATES
SECTION A-A
SECTION B-B
SECTION C-C
DETAIL "A"
BLDG. B FLOORS 74 (WEST)



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1P	1	C32T1P - 57'-7"	ST [illegible]
	T2P	1	C32T2P - 57'-7"	ST 202
	T7P	2	C32T7P - 57'-7"	ST 207P
	T8P	2	[illegible] - 57'-7"	ST [illegible]
BRIDGING TRUSSES	T10	1	24T10 - [illegible]	[illegible]
	T10A	1	24T10A - 19'-[illegible]	ST 210A
	T10B	1	24T10B - 19'-[illegible]	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
[illegible] ANGLE	A1	3	3" x 2" x 1/4" x [illegible]	ST 403
	A2	4	3" x 2" x 1/4" x 5' [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5' [illegible]	ST 403
DIAGONAL FLATS	F	6	[illegible] x 3/8" x 4'-5"	ST 402
PATCH PLATES	PP1	18	[illegible] x 1/4" x [illegible]	ST 400
	PP2	16	3" x 3/8" x [illegible]	ST 400
COVER PLATES	A	3	8" x .0135" x 13'-11 1/2"	ST 503
	B	6	8" x .0135" x 15'-2"	ST 503
	C	3	8" x .0135" x 13'-2 1/2"	ST 503
ANGLE CLIPS	C1	24	[illegible] x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-[illegible]	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 5'-[illegible]	ST 298
CONNECTION BAR	[illegible]	4	1" φ x [illegible] - 3"	ST 400
	[illegible]	6	[illegible]	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-[illegible]	ST 400
	P2	1	4 1/2" x .30" x [illegible] - 6"	ST 40[illegible]
	P3	1	4 1/2" x .30" x [illegible]	ST 40[illegible]
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .30" x 0'-8"	ST 401

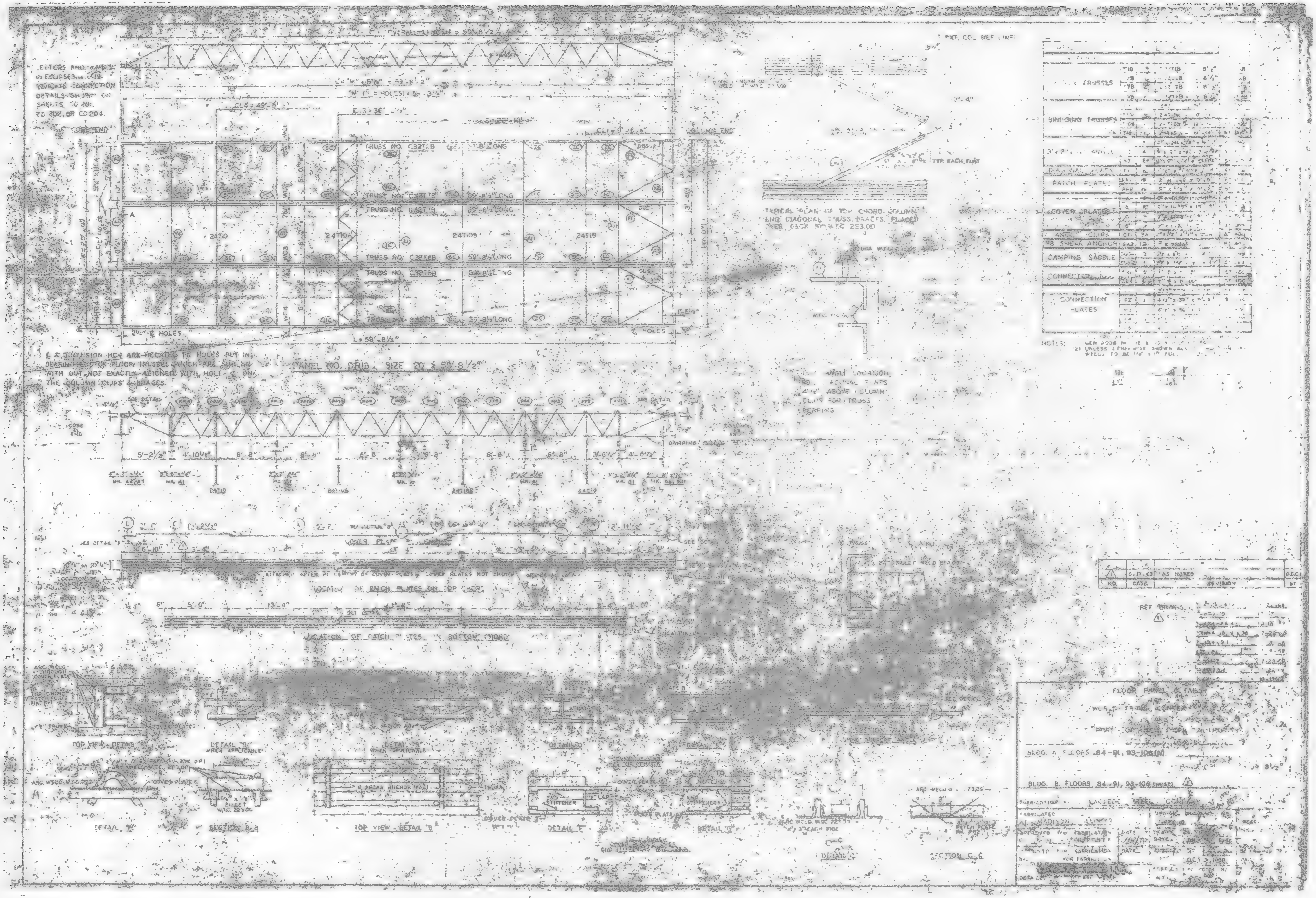
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/8" x 1" FULL THROAT FILLET

NO.	DATE	REVISION
1	8-10-69	AS NOTED

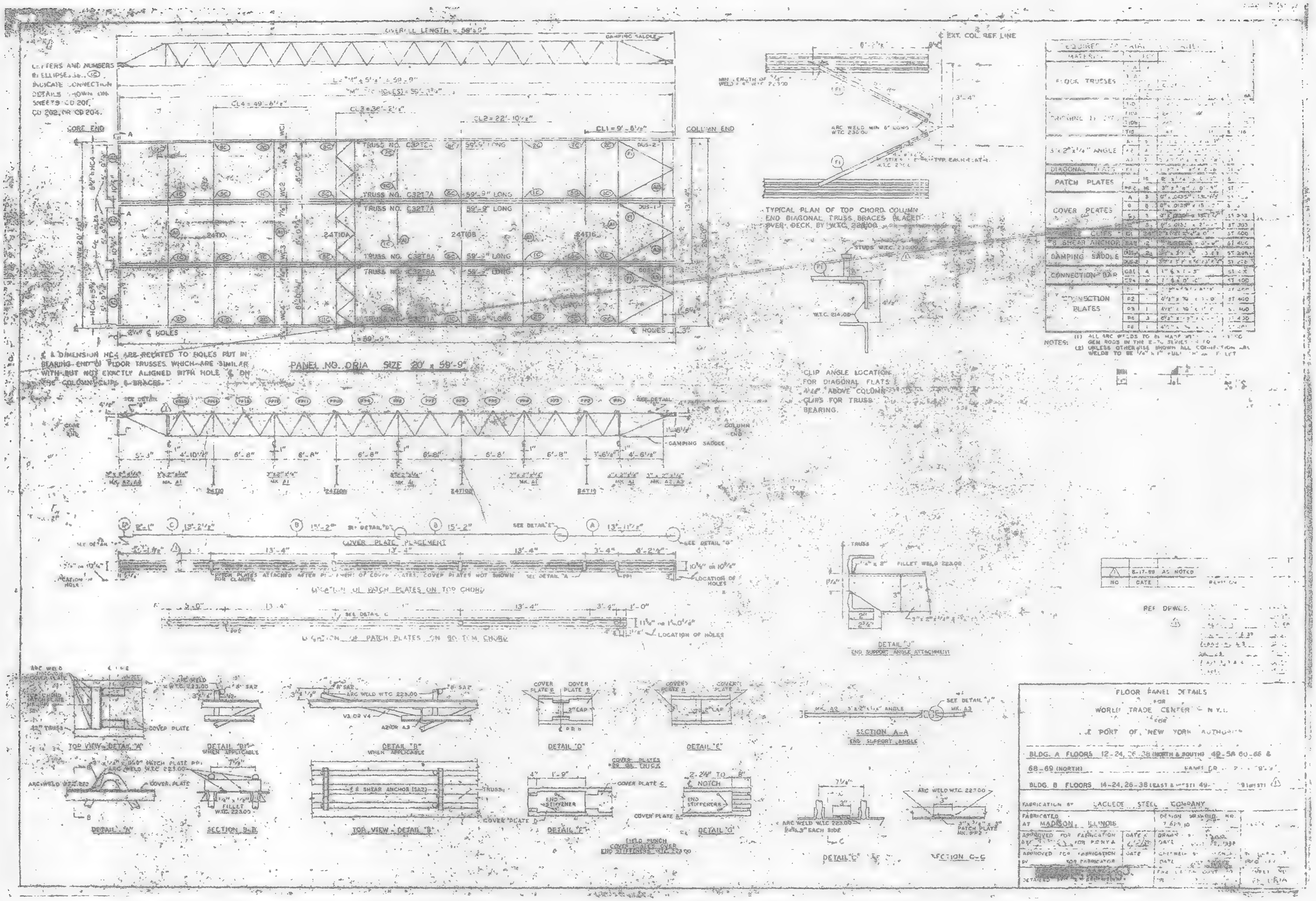
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74 (N)
PANEL [illegible] -7
BLDG. B FLOORS 74 (WEST)

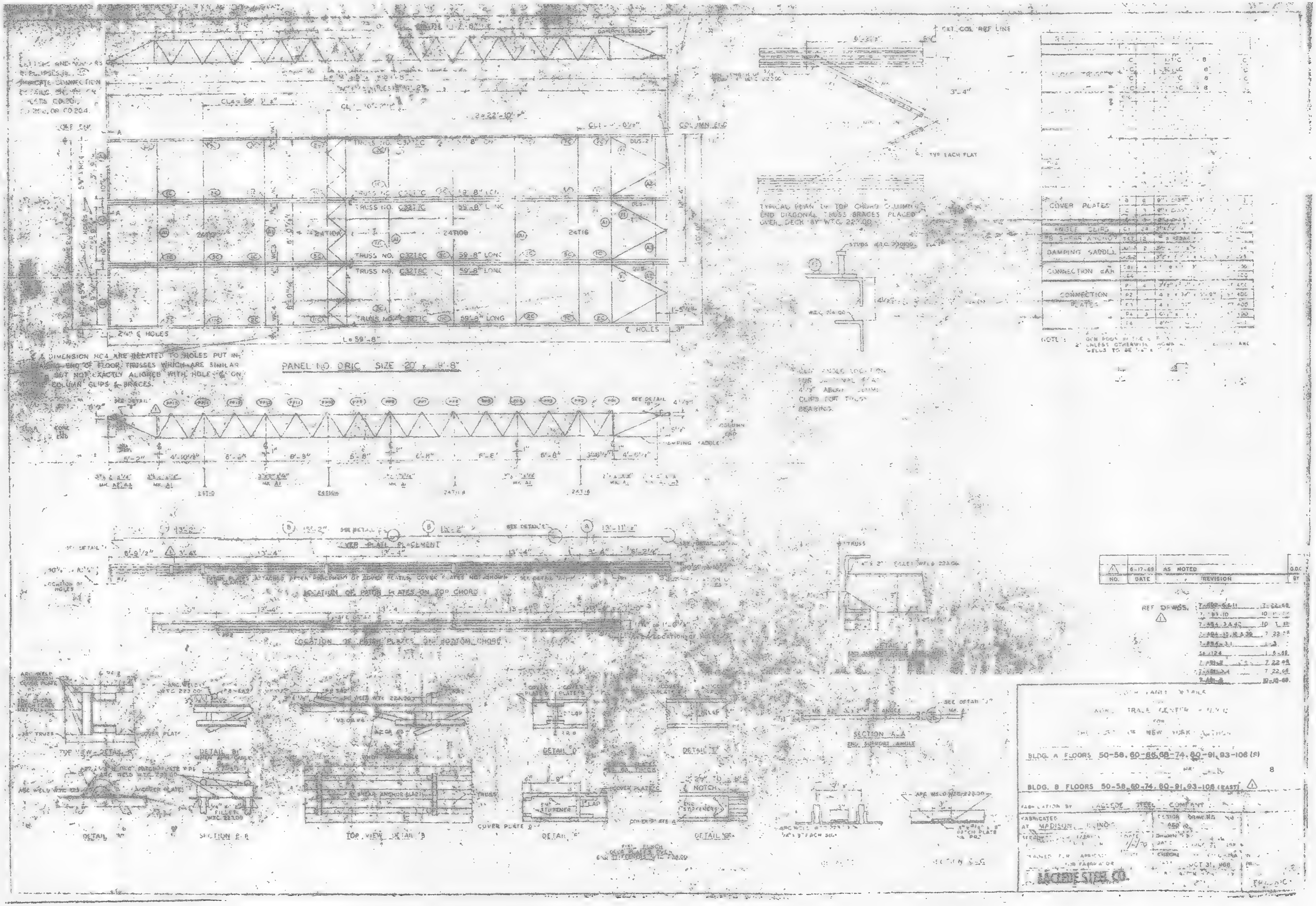
FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILL.
DESIGN DRAWING NO. 7-A83-[illegible]
DATE [illegible] 24, 1969
FABRICATION CONTRACT NO. 281
CD DIP

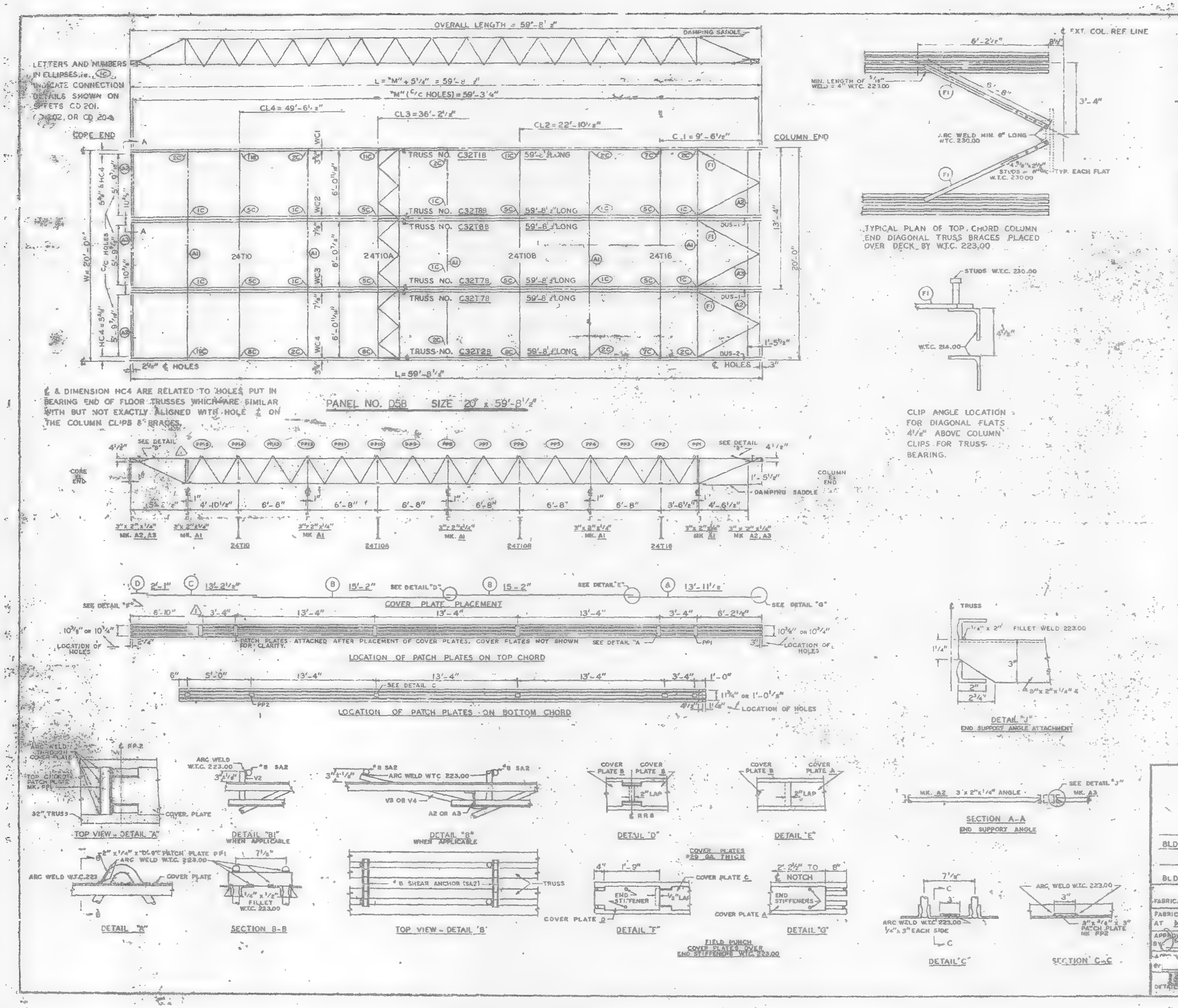


TRUSS NO. C32TB
PANEL NO. DRIB SIZE 20' x 59'-8 1/2"
L = 59'-8 1/2"
COLUMN END
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES IN BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES
TRUSSES
BRIDGING TRUSSES
PATCH PLATES
COVER PLATES
CLIPS
CAMPING SADDLE
CONNECTION PLATES
NOTES:
REF DRAWGS.
REVISION
FLOOR PANEL DETAIL
BLDG. A FLOORS 84-91, 93-106(N)
BLDG. B FLOORS 84-91, 93-106 (WEST)
TOP VIEW - DETAIL
DETAIL "B"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "E"
SECTION C-C



OVERALL LENGTH = 59'-9"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES ... INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204.
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
CORE END
COLUMN END
TRUSS NO. C32T6A 59'-9" LONG
TRUSS NO. C32T7A 59'-9" LONG
TRUSS NO. C32T8A 59'-9" LONG
24T10
24T10A
24T10B
24T16
PANEL NO. ORIA SIZE 20' x 59'-9"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
EXT. COL. REF. LINE
ARC WELD MIN 6" LONG W.T.C. 230.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS ... ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
FLOOR TRUSSES
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES:
(1) ALL ARC WELDS TO BE MADE WITH ...
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ... WELDS TO BE ... FILLET
8-17-69 AS NOTED
NO. DATE REVISION
REF. DRWGS.
TOP VIEW - DETAIL "A"
DETAIL "B" WHEN APPLICABLE
DETAIL "B1" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 42-54, 60-66 & 68-69 (NORTH)
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-...
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION


PANEL NO. ORIC SIZE 20' x 59'-8"
TRUSS NO. C32TC
TRUSS NO. C32TBC
59'-8" LONG
COLUMN END
DAMPING SADDLE
¢ HOLES
2¼" ¢ HOLES
L= 59'-8"
DIMENSION MC4 ARE RELATED TO HOLES PUT IN END OF FLOOR TRUSSES WHICH ARE SIMILAR BUT NOT EXACTLY ALIGNED WITH HOLE ¢ ON COLUMN CLIPS & BRACES.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMNS END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
EXT. COL. REF LINE
TYP. EACH FLAT
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
TOP VIEW - DETAIL "A"
DETAIL "B"
SECTION B-B
TOP VIEW DETAIL "B"
DETAIL "C"
DETAIL "D"
DETAIL "E"
DETAIL "F"
SECTION A-A
END SUPPORT ANGLE
NOTCH
COVER PLATE
STIFFENER
REF DRWGS.
NO. | DATE | REVISION
1 | 6-17-69 | AS NOTED
BLDG. A FLOORS 50-58, 60-66, 68-74, 80-91, 93-106 (S)
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-108 (EAST)
8
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
OCT 31, 1968
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG
FLOOR TRUSSES	T18	1	C32T18 - 59'-8 1/2"	ST 201B
	T28	1	C32T28 - 59'-8 1/2"	ST 202B
	T78	2	C32T78 - 59'-8 1/2"	ST 207B
	T88	2	C32T88 - 59'-8 1/2"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3"x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-1"	ST 402
	A2	4	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 2'-8"	ST 402
PATCH PLATES	PP	18	2" x 1/4" x 0'-6"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	8" x .0135" x 13'-11 1/2"	ST 303
	B	8	8" x .0135" x 15'-2"	ST 303
	C	3	8" x .0135" x 13'-2 1/2"	ST 303
	D	3	8" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 3/8" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.[illegible]
1	3-11-69	AS NOTED	G.[illegible]

REF. DRWGS.

7-A82-6 & 11	7-22-68
7-A83-71	11-25-68
7-A84-3	10-15-68
7-A84-18 & 16	7-22-68
7-A84-42	-10- . 68
SA-124	10-11-68
7-AB1-[illegible]	10-15-68
7-AB1-[illegible] & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A. FLOORS 83 (NORTH)

PANEL D58 - 20' x 59'-8 1/2"

BLDG. B FLOORS 83 (WEST)

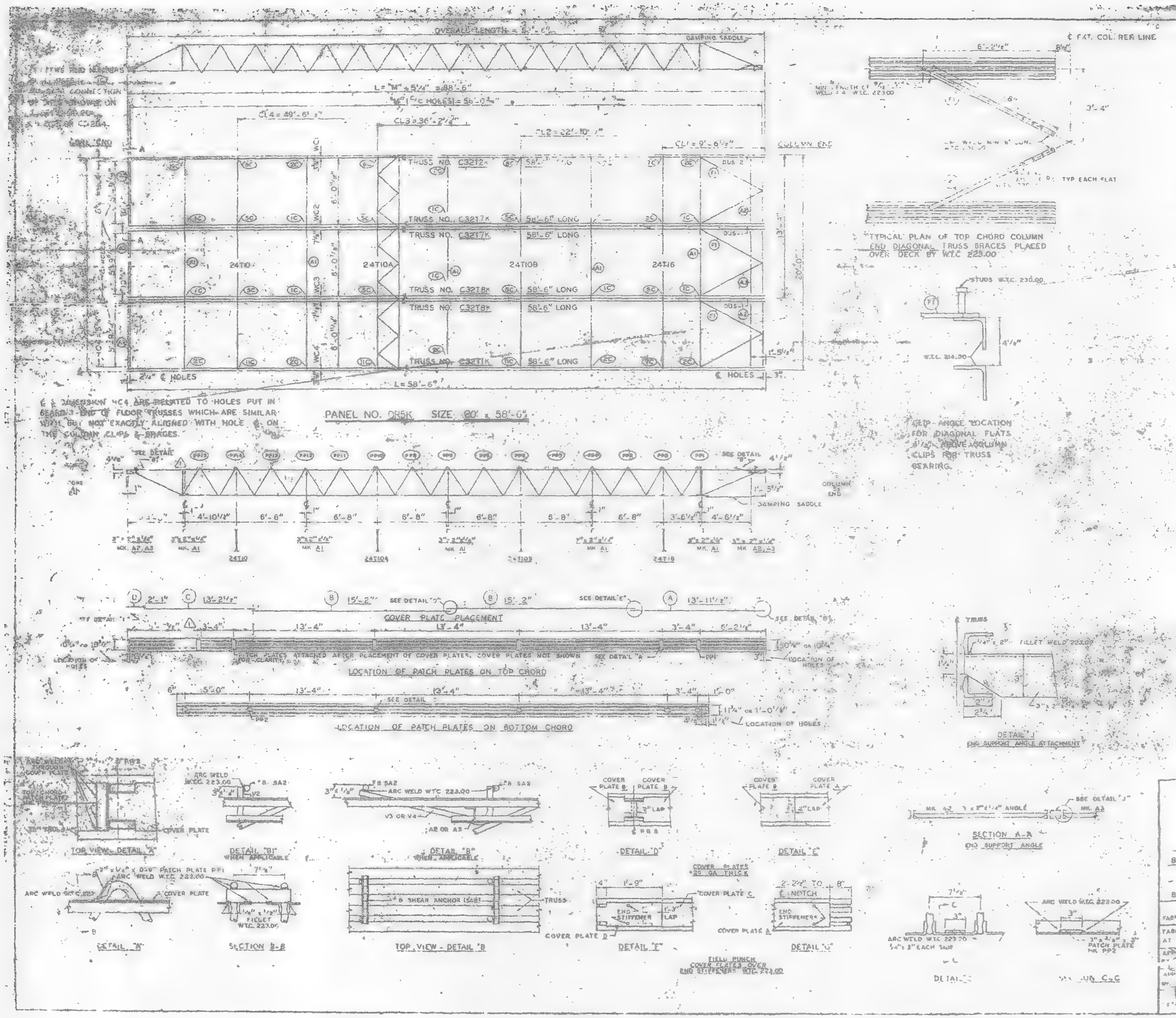
FABRICATION BY. LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS | DESIGN DRAWING NO. 7-A83-71 | PLATE

APPROVED FOR FABRICATION BY [signature] P.N.Y.A. | DATE | DRAWN BY [illegible] DATE JAN 14, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR | DATE | CHECKED BY: T.M.CHURA DATE JAN 14, 1969 | IN CHARGE OF PROD. DEV.

DETAILED BY [illegible] | FABRICATION CONT. NO. W.T.C. 221 | SHEET NO. FB 0[illegible]B



REQUIRED MATERIAL PER PANEL				REF. DWGS
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - [illegible]	ST [illegible]
	T10A	1	24T10A - [illegible]	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-[illegible]	ST [illegible]
[illegible] ANGLE	A1	5	[illegible]	[illegible]
	A2	4	[illegible]	ST [illegible]
	A3	2	[illegible]	ST [illegible]
DIAGONAL FLATS	F1	8	[illegible]	ST [illegible]
PATCH PLATES	PP1	18	2" x [illegible]	ST 400
	PP2	18	3" x [illegible] x 0'-[illegible]"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	[illegible]	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 5/8"	ST 298
	DUS-2	1	[illegible]	ST 298
CONNECTION BAR	CB1	4	1" [illegible] x 1'-3"	ST 400
	CB4	6	[illegible] x [illegible] 10'	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/4" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	8 1/2" x 1/2" x 0'-[illegible]	ST [illegible]
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

NO.	DATE	REVISION
2	7-1-69	AS NOTED
1	3-11-69	AS NOTED

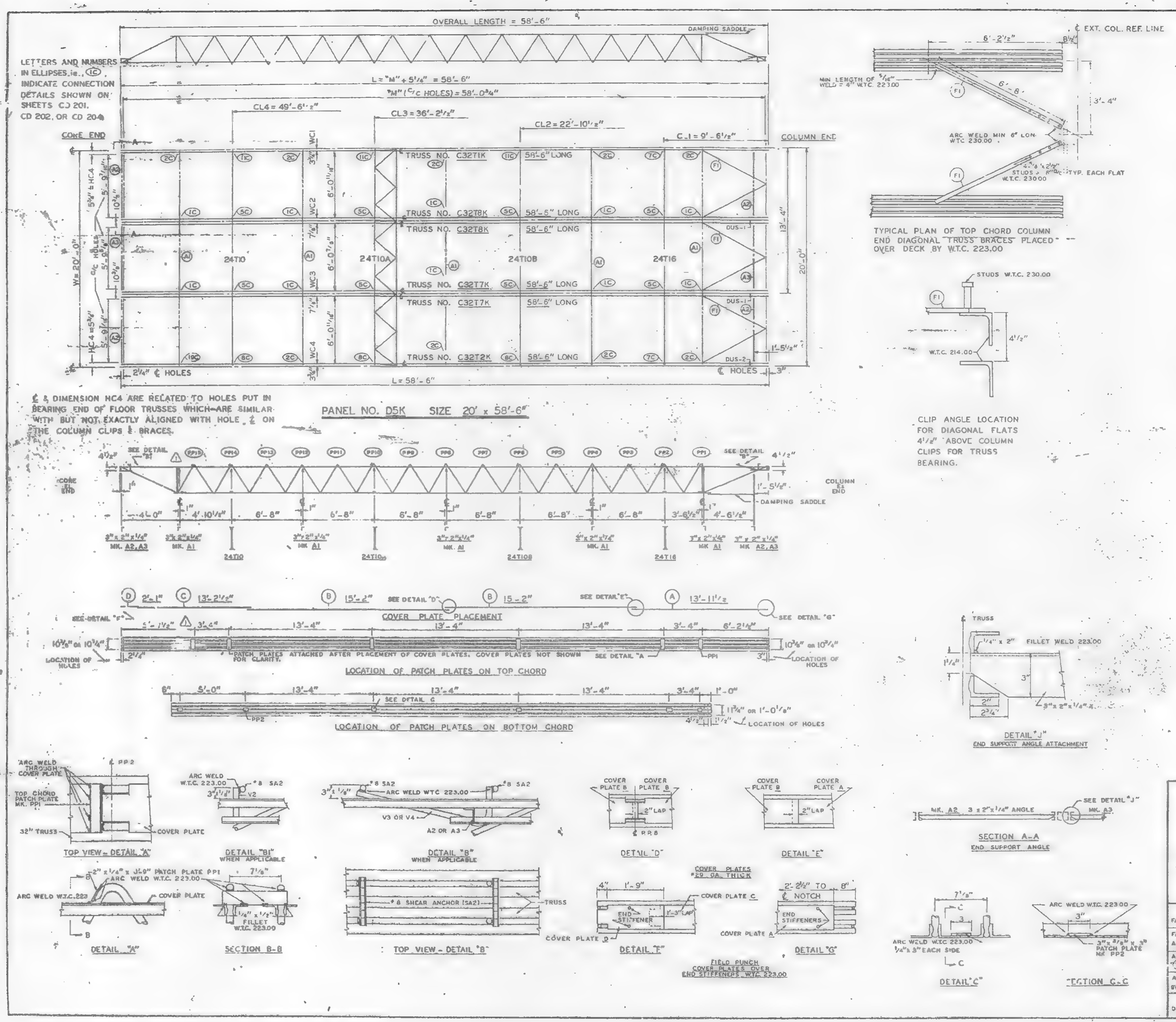
REF DRWGS.

7-AB3-5 & 11	7-2-68
7-AB3-[illegible]	[illegible]-23-68
7-AB4-3	10-15-68
7-AB4-16 & 18	[illegible]-26-68
7-AB4-42	10-15-68
6A-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 [illegible] 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 & 46 (SOUTH)
PANEL DR5K
BLDG. B FLOORS 45 & 46 (EAST) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-BP. 4-1-68
PLATE
APPROVED FOR FABRICATION BY [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE JAN 4 1969
APPROVED FOR FABRICATION DATE
CHECKED BY [illegible] DATE [illegible] 14 1969
IN CHARGE
FABRICATION CONT. NO. 221
SHEET NO. FD [illegible]5K
DETAILED BY CARL WEBER



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x C 9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 [illegible]"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 [illegible]"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	[illegible]	[illegible]	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x [illegible]-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0-8"	ST 400
	P6	1	4 1/2" x .30" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.
1	3-11-69	AS NOTED	G.C.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-[illegible]	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS

WORLD TRADE CENTER - N.Y.C.

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)

PANEL D5K 20 x 58'-6"

BLDG. B FLOORS 45 (EAST & WEST) 46 (EAST) △2

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB2-71

PLATE

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE

DRAWN BY: G.D.C. DATE JAN 14, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

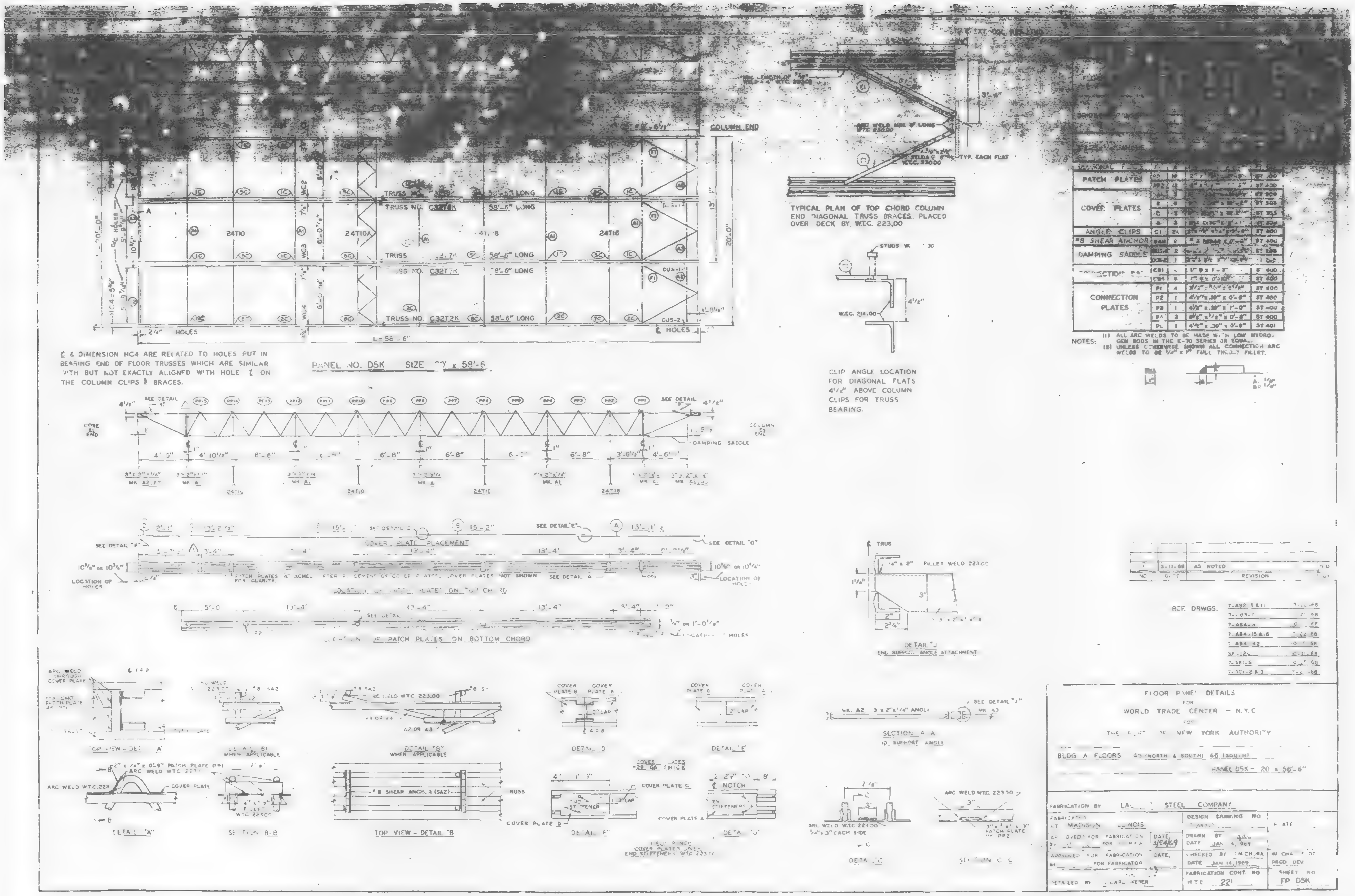
CHECKED BY: T.M.CHURA DATE JAN 1?, 1969

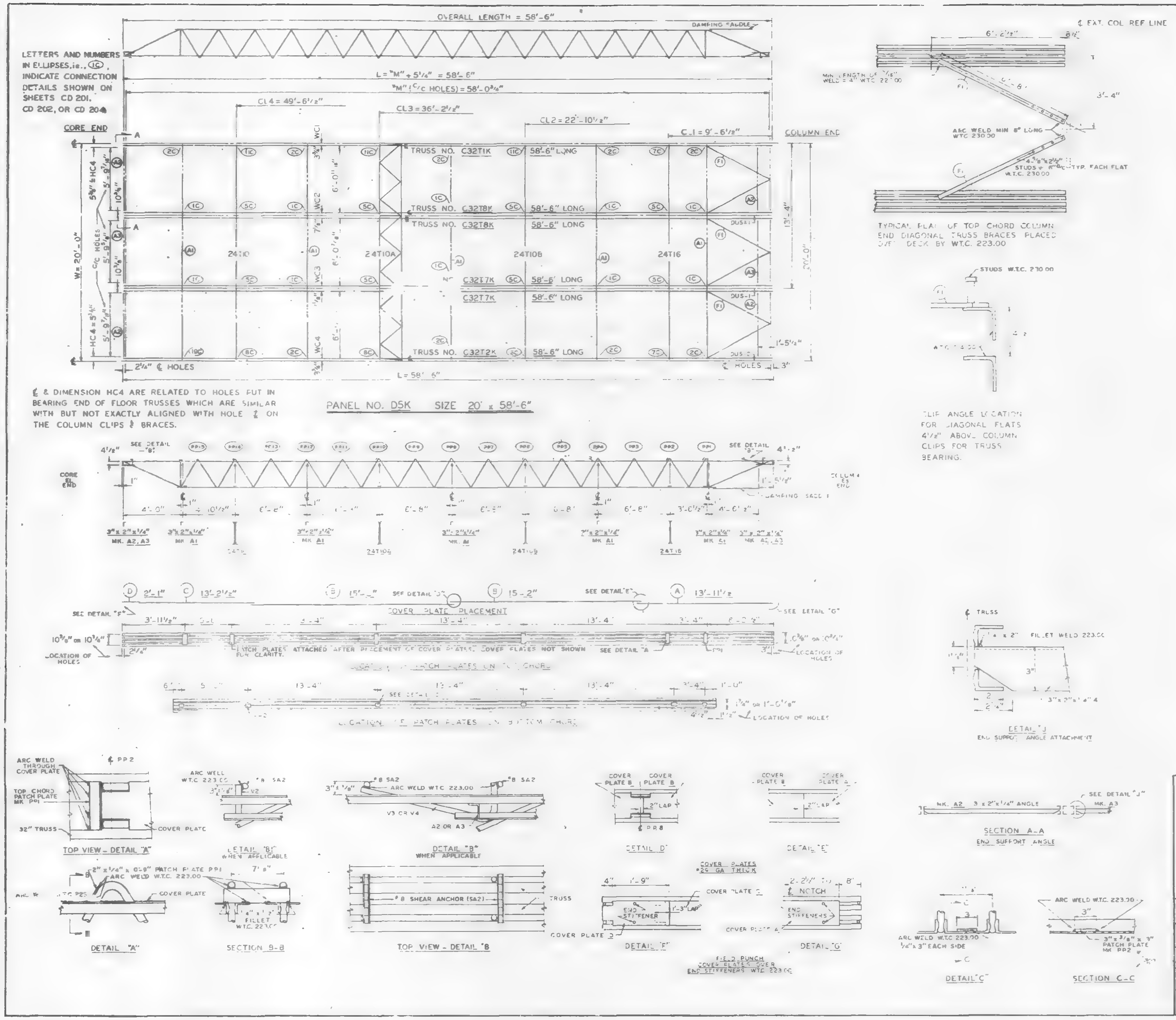
IN CHARGE OF PROD. DEV.

DETAILED BY: CARL WEBER

FABRICATION CONT NO W.T.C. 221

SHEET NO FP D5K


COLUMN END
TRUSS NO. C32T7K 58'-6" LONG
TRUSS NO. C32T2K 58'-6" LONG
24T10
24T10A
24T16
L = 58'-6"
HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D5K SIZE 20' x 58'-6"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DAMPING SADDLE
COVER PLATE PLACEMENT
SEE DETAIL "E"
SEE DETAIL "G"
LOCATION OF HOLES
PATCH PLATES ON BOTTOM CHORD
PATCH PLATES
COVER PLATES
ANGLE CLIPS C1 24 ST 400
#8 SHEAR ANCHOR ST 400
DAMPING SADDLE
CONNECTION PLATES
P1 4 ST 400
P2 1 4 1/2" x .30" x 0'-8" ST 400
P3 1 4 1/2" x .30" x 1'-0" ST 400
P4 3 ST 400
P5 1 4 1/2" x .30" x 0'-8" ST 401
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
SUPPORT ANGLE
REF. DRWGS.
3-11-69 AS NOTED
REVISION
TOP VIEW - DETAIL "A"
DETAIL "B"
WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)
PANEL D5K - 20 x 58'-6"
FABRICATION BY STEEL COMPANY
FABRICATED AT MADISON ILLINOIS
DATE 3/24/69
DESIGN DRAWING NO
DRAWN BY
DATE JAN 4, 1969
CHECKED BY
DATE JAN 14, 1969
APPROVED FOR FABRICATION FOR FABRICATOR
DETAILED BY CARL WEBER
FABRICATION CONT. NO W.T.C. 221
IN CHARGE OF PROD. DEV.
SHEET NO FP D5K



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1?"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1?"	ST 403
DIAGONAL FLATS	F1	6	1½" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x 3/4" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x 3/8" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	[illegible]	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x 1/2" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES: (1) ARC WELDS TO BE MADE WITH LOW HYDRO-GEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

A = 1/4"
B = 1/4"

REF. DRWGS.

7-AB2-5 & 11	7-26-68
7-AB3-71	11-26-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-26-68
7-AB4-42	10-15-68
SE-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-26-68

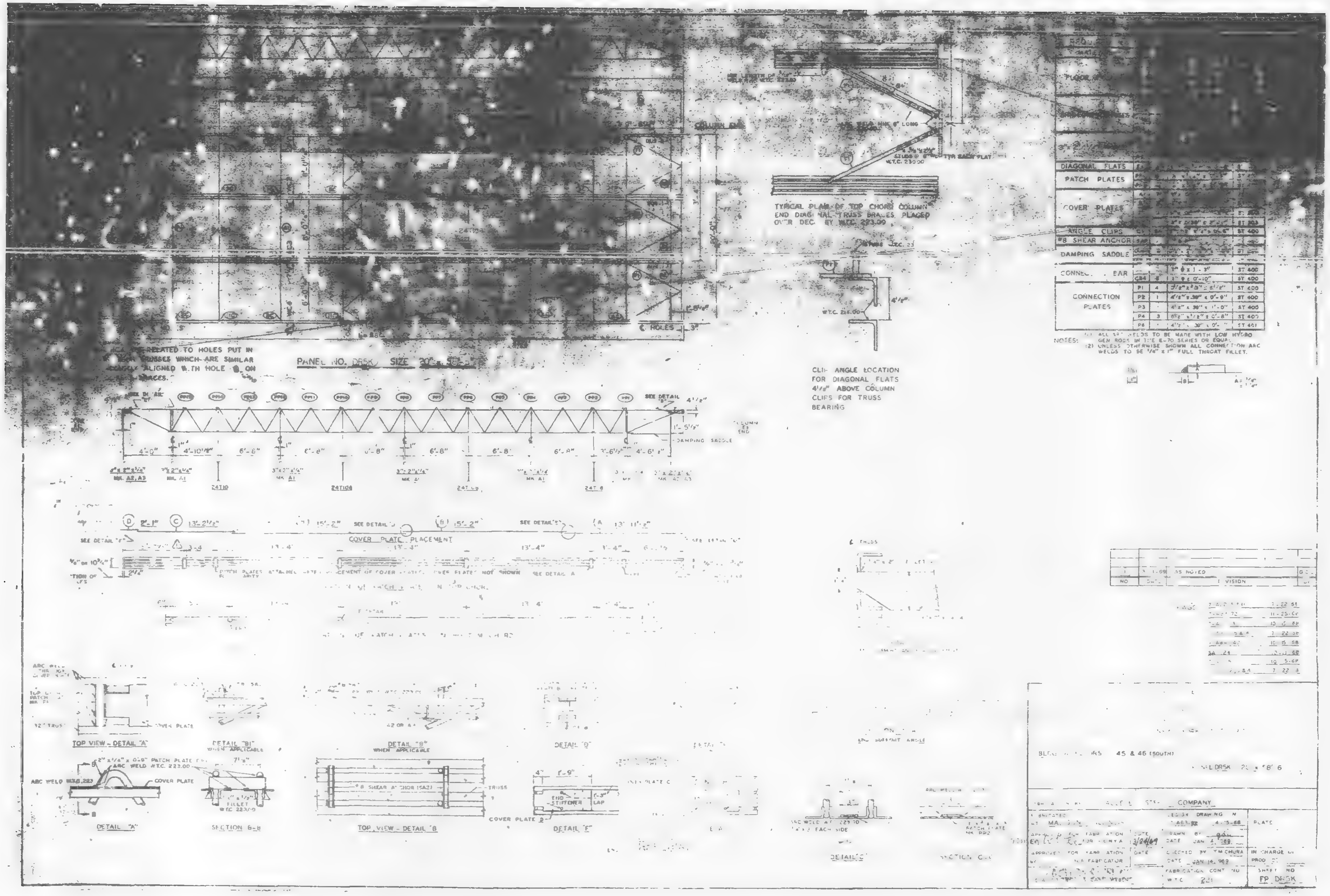
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

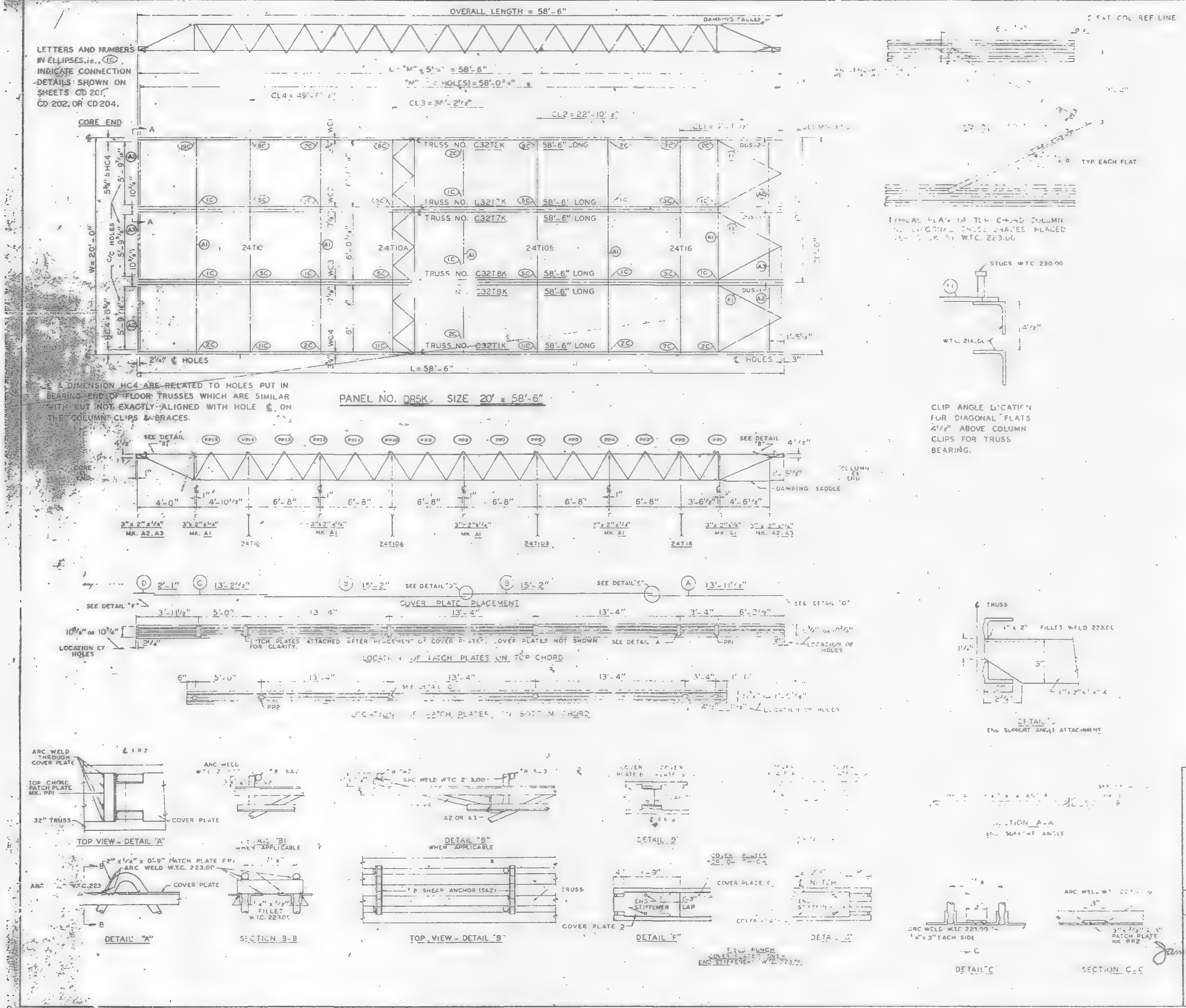
BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)

PANEL D5K - 20' x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-71
PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A — DATE 2/4/69
DRAWN BY [illegible] — DATE JAN 14, 1969
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR — DATE
CHECKED BY T.M. CHURA — DATE JAN 14, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP D5K


DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION PLATES
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
ABOVE COLUMN
CLIPS FOR TRUSS
BEARING
COVER PLATE PLACEMENT
TOP VIEW - DETAIL "A"
DETAIL "A"
TOP VIEW - DETAIL "B"
DETAIL "E"
COMPANY



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
[illegible] TRUSSES	T1K	1	C32T1K - 58'-6"	ST 201K
	T2K	1	C32T2K - 58'-6"	ST 202K
	T7K	2	C32T7K - 58'-6"	ST 207K
	T8K	2	C32T8K - 58'-6"	ST 208K
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
[illegible]	A	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
[illegible]	F1	6	1½" x ⅜" x 6'-8"	ST 402
[illegible]	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅝"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅝"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 0'-7½"	ST 400
	P2	1	4½" x .30" x 0'-9"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .30" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2,3 & 4	7-22-68

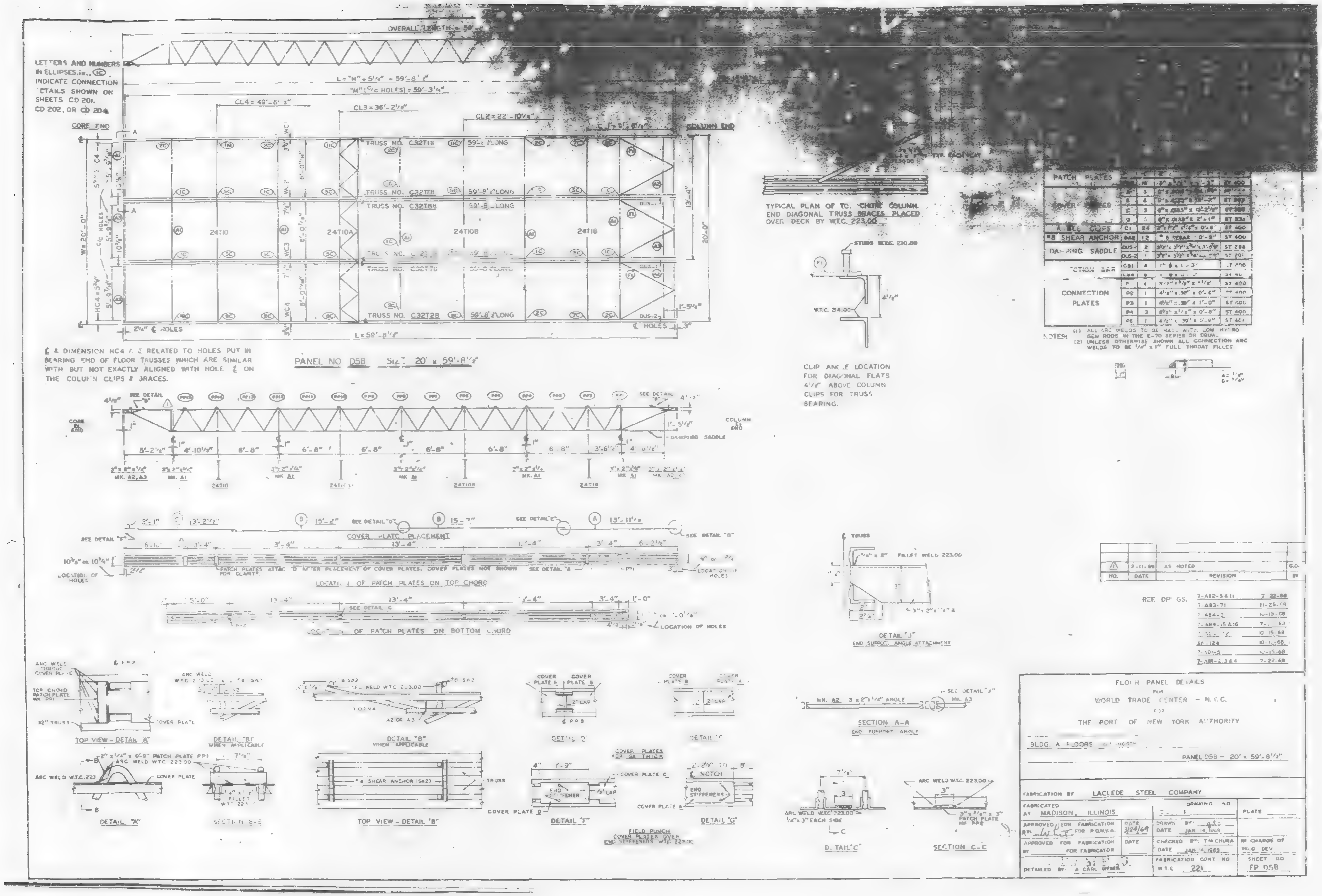
[illegible] PANEL DETAILS
[illegible]
[illegible] CENTER - N.Y.C.
[illegible]
THE [illegible] NEW YORK AUTHORITY

BLDG A FLOORS 45 & 46 (SOUTH)

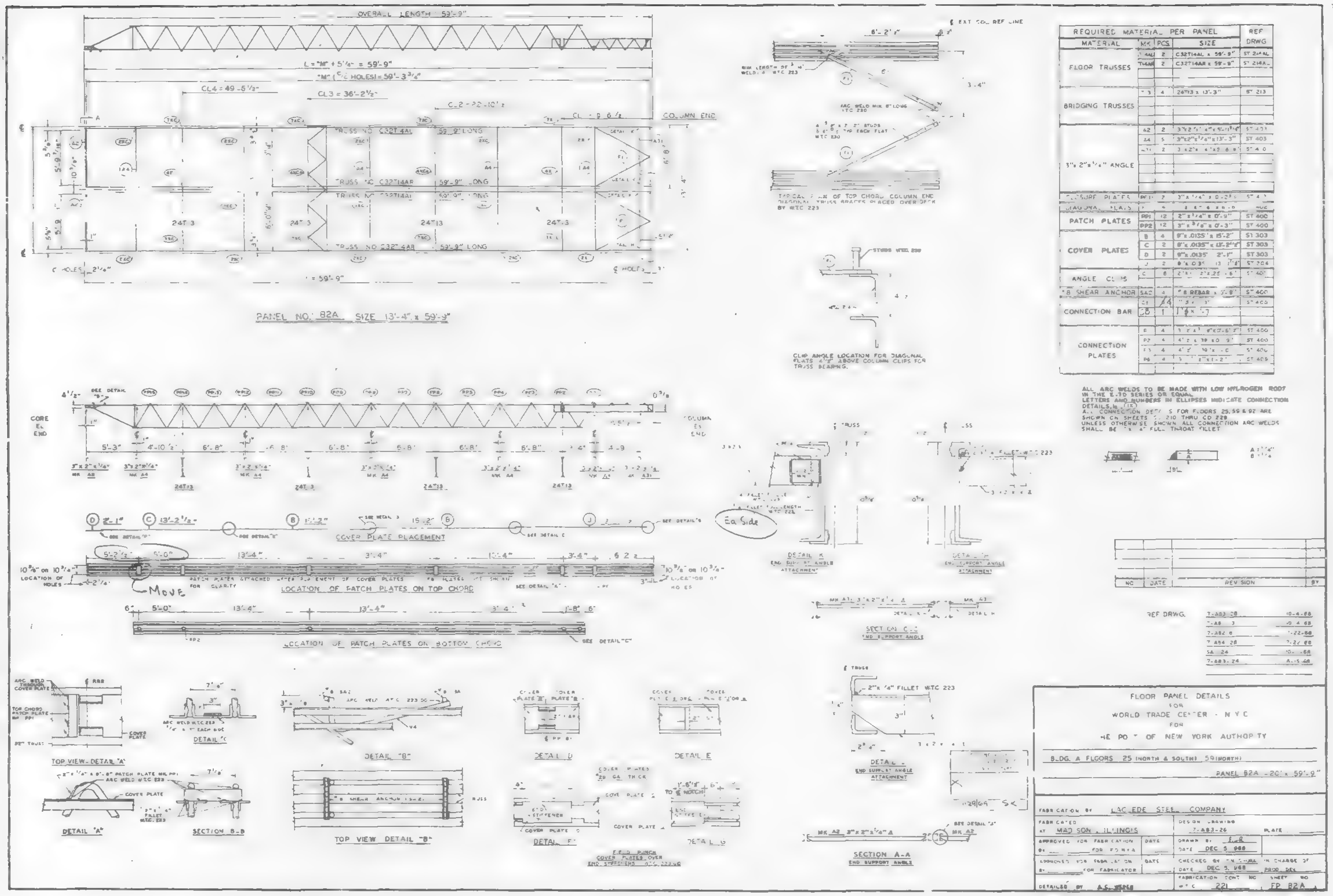
PANEL DR5K - 20' x 58'-6"

FABRICATION BY [illegible] STEEL COMPANY

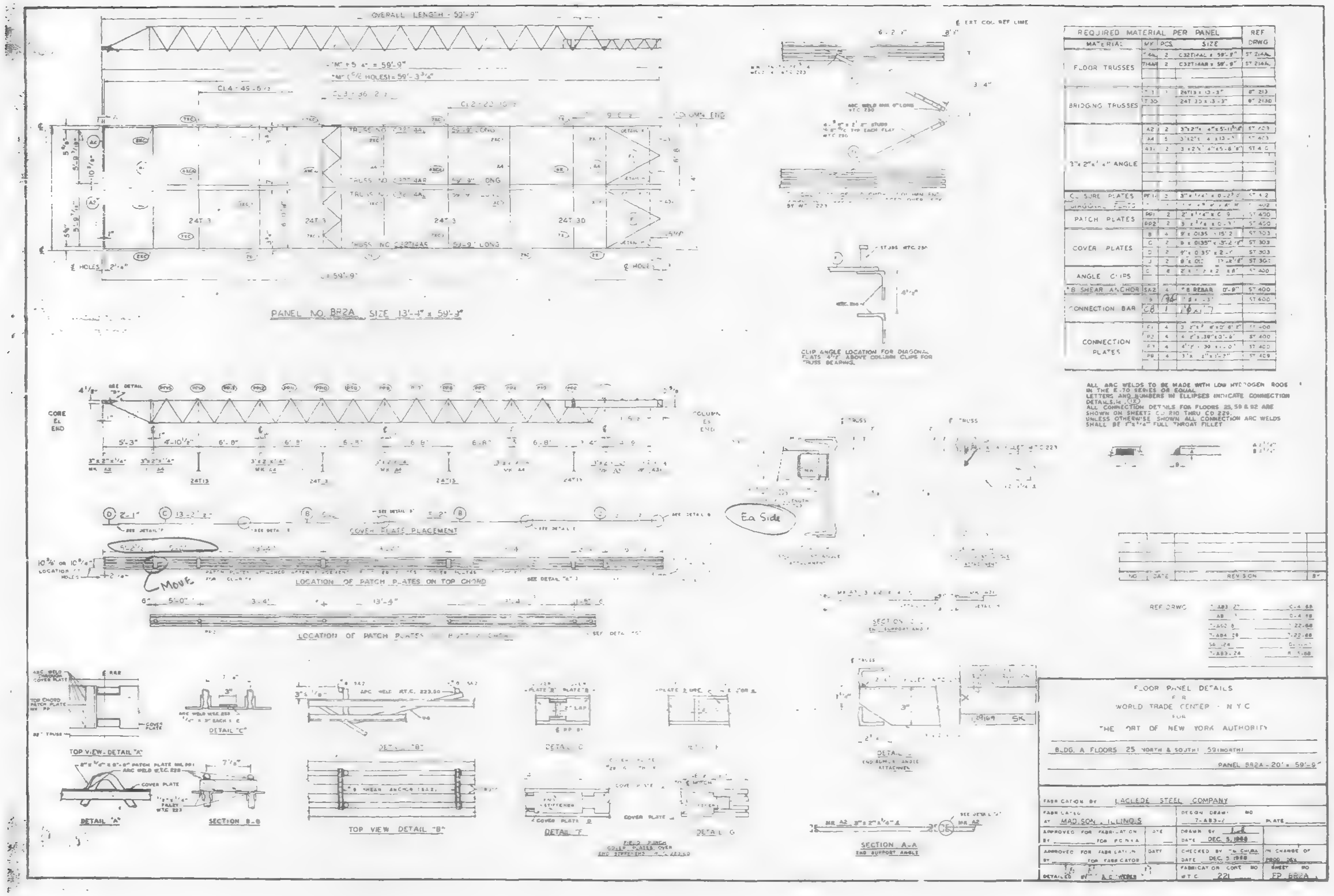
FABRICATED AT - MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-[illegible] 4-15-68	PLATE
APPROVED FOR FABRICATION FOR [illegible] James White	DATE 2/4/69	DRAWN BY gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY. T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV
DETAILED BY - CARL WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP DR5K

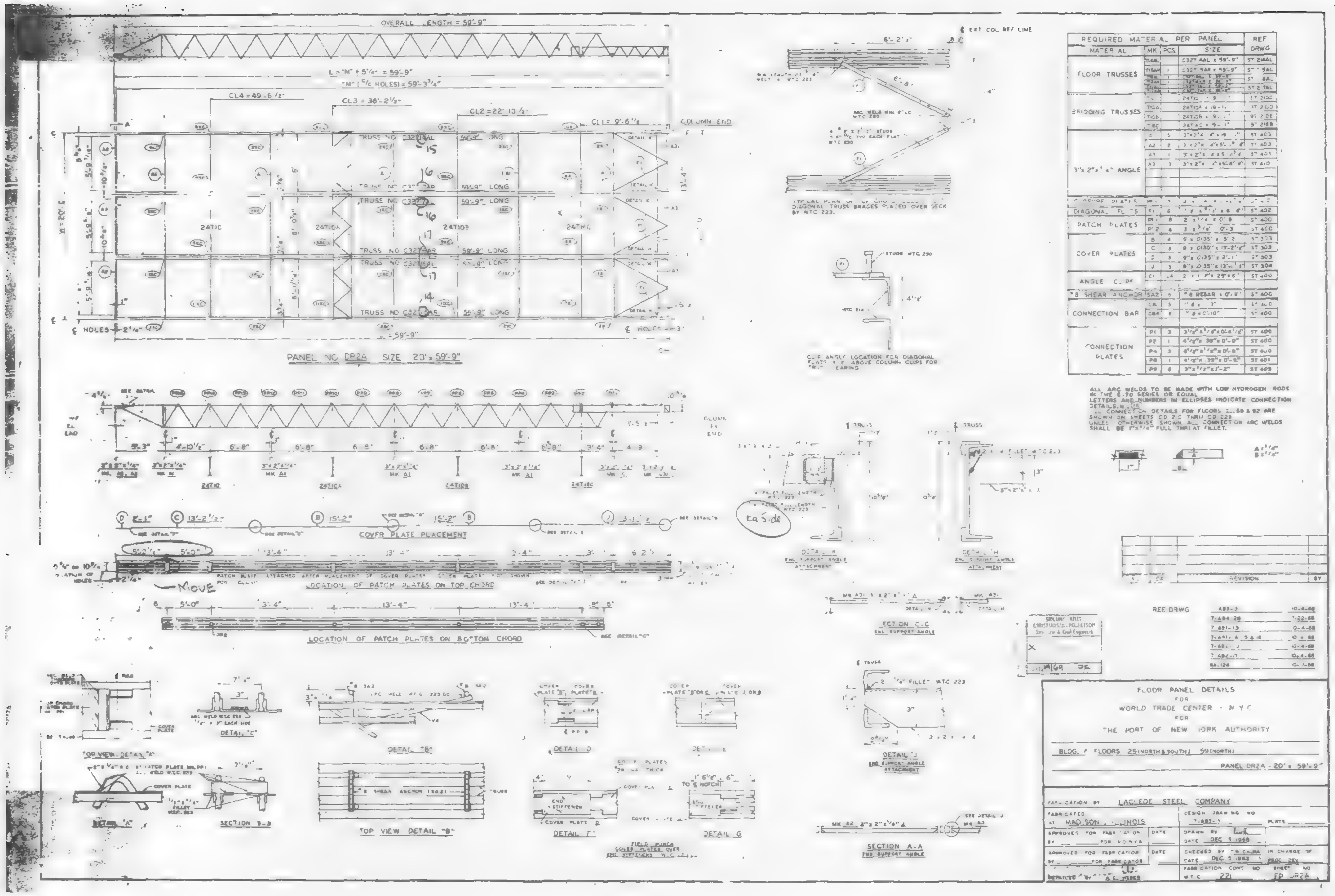


LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
COLUMN END
PANEL NO D58 SIZE 20' x 59'-8½"
TYPICAL PLAN OF TOP CHORD COLUMN. END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "B" WHEN APPLICABLE
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS
PANEL D58 - 20' x 59'-8½"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
DATE 3/24/69
DRAWN BY
DATE JAN 14, 1969
APPROVED FOR FABRICATION FOR FABRICATOR
CHECKED BY: T.M. CHURA
DATE JAN 14, 1969
IN CHARGE OF PROD DEV
DETAILED BY A CARL WEBER
FABRICATION CONT NO W.T.C 221
SHEET NO FP D58

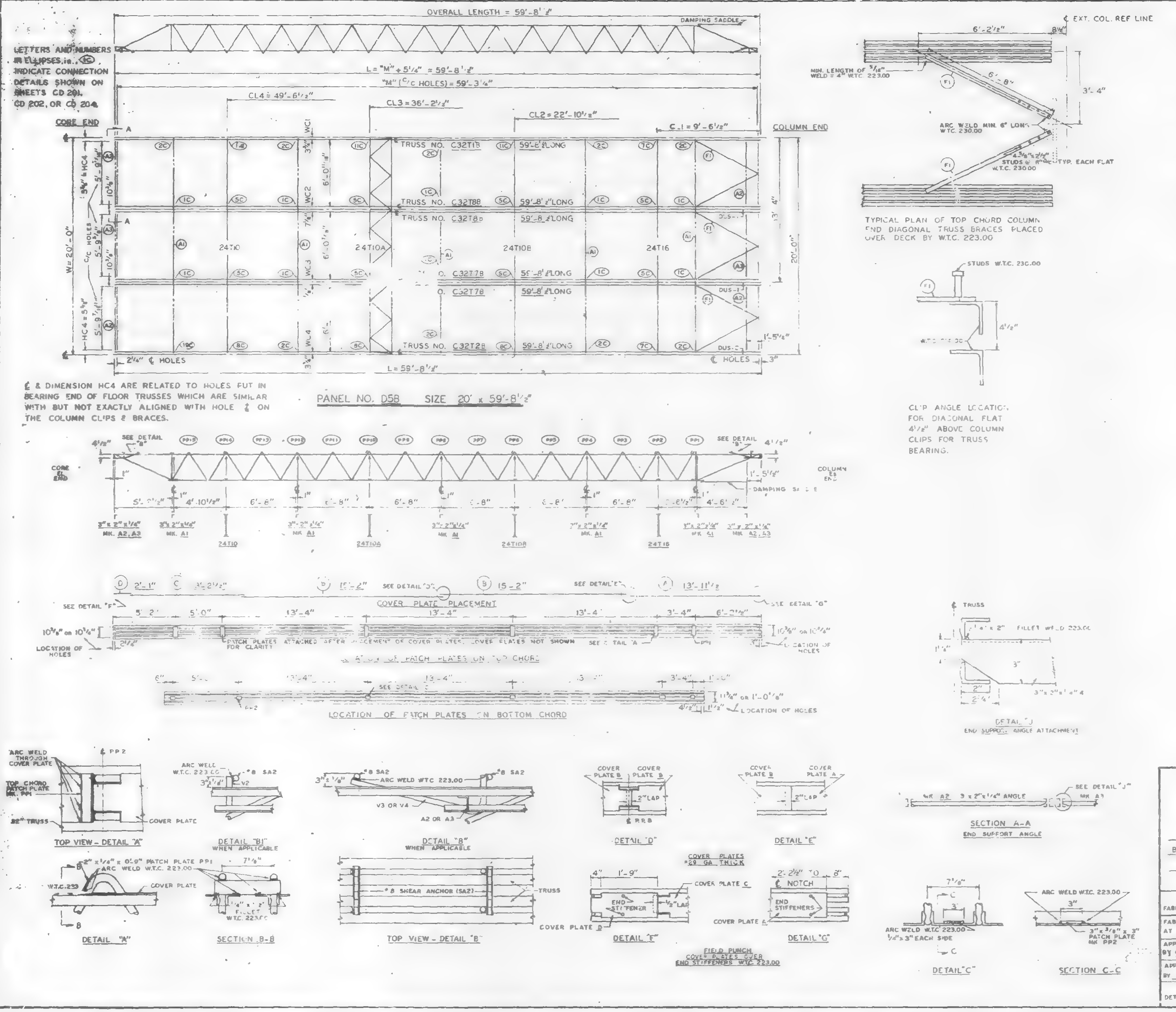


OVERALL LENGTH 59'-9"
PANEL NO. 82A SIZE 13'-4" x 59'-9"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW-DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "B"
TOP VIEW DETAIL "B"
DETAIL E
SECTION A-A
END SUPPORT ANGLE
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN ROOT IN THE E-70 SERIES OR EQUAL
REF DRWG.
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
PANEL 82A - 20' x 59'-9"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-A83-26
DATE DEC 5 1968
FABRICATION CONT NO 221
SHEET NO FP 82A


OVERALL LENGTH - 59'-9"
PANEL NO. 8R2A SIZE 13'-4" x 59'-9"
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
CLOSURE PLATES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES
Ea Side
Move
TOP VIEW-DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "C"
TOP VIEW DETAIL "B"
SECTION A-A
REF DRWG
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25 NORTH & SOUTH 59 (NORTH)
PANEL 8R2A - 20' x 59'-9"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-A83-2
DRAWN BY
DATE DEC. 5, 1968
CHECKED BY
DATE DEC. 5, 1968
FABRICATOR CONT NO WTC 221
SHEET NO FP 8R2A



OVERALL LENGTH = 59'-9"
PANEL NO. DR2A SIZE 20' x 59'-9"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
DETAIL "C"
DETAIL "B"
DETAIL "A"
SECTION B-B
TOP VIEW DETAIL "B"
DETAIL G
SECTION A-A
REF DRWG
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY
PANEL DR2A - 20' x 59'-9"
LACLEDE STEEL COMPANY
DEC 5 1968



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8 1/2"	ST 201B
	T2B	1	C32T2B - 59'-8 1/2"	ST 202B
	T7B	2	C32T7B - 59'-8 1/2"	ST 207B
	T8B	2	C32T8B - 59'-8 1/2"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]	ST 403
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/4" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7 AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7 AB1-2,3 & 4	7-22-68

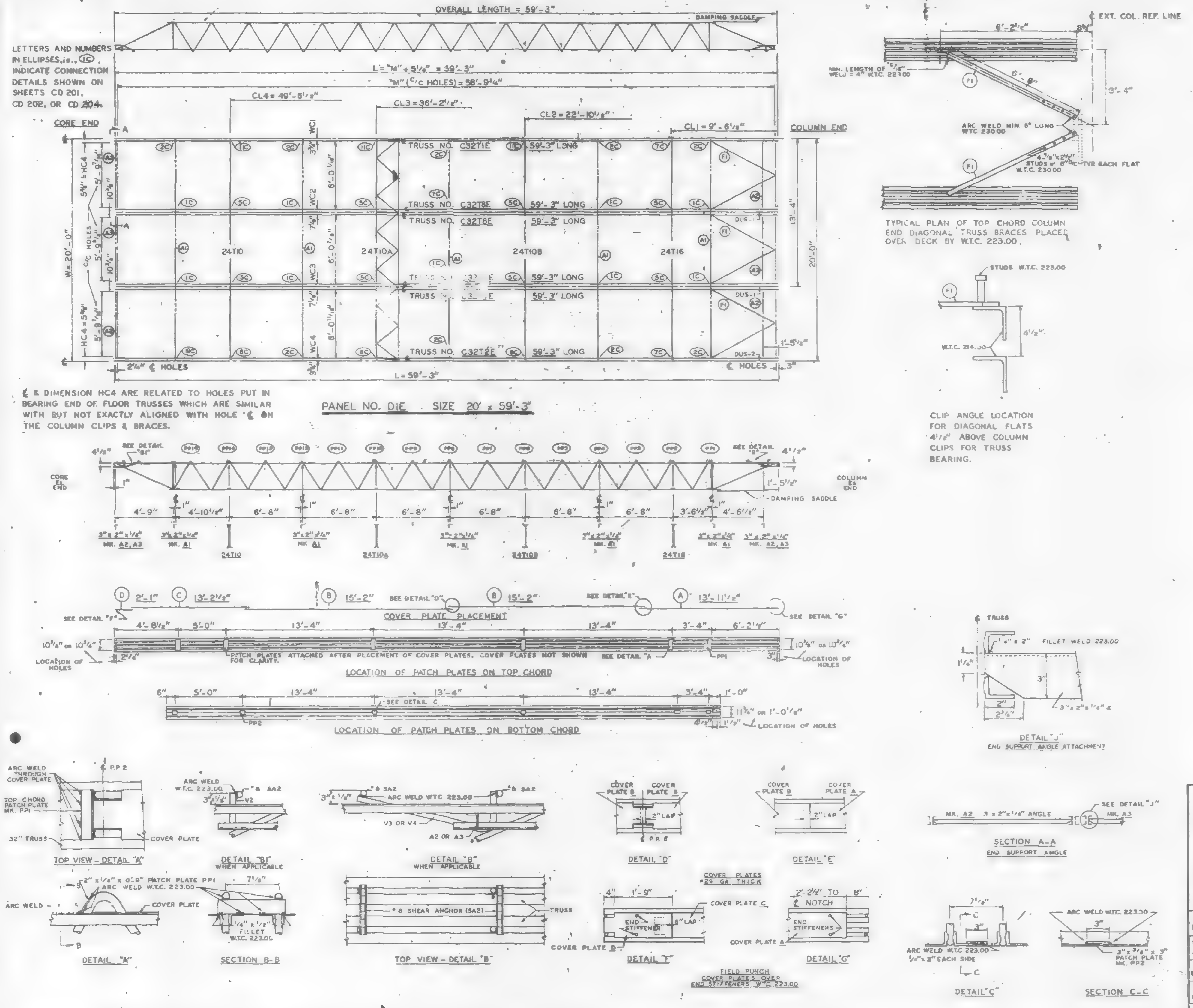
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83 (NORTH)

PANEL D5B — 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 2/4/69	DRAWN BY gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M CHURA DA JAN 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3"x 2"x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 3/4"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST-400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
a = 1/4"

REF. DRWGS.

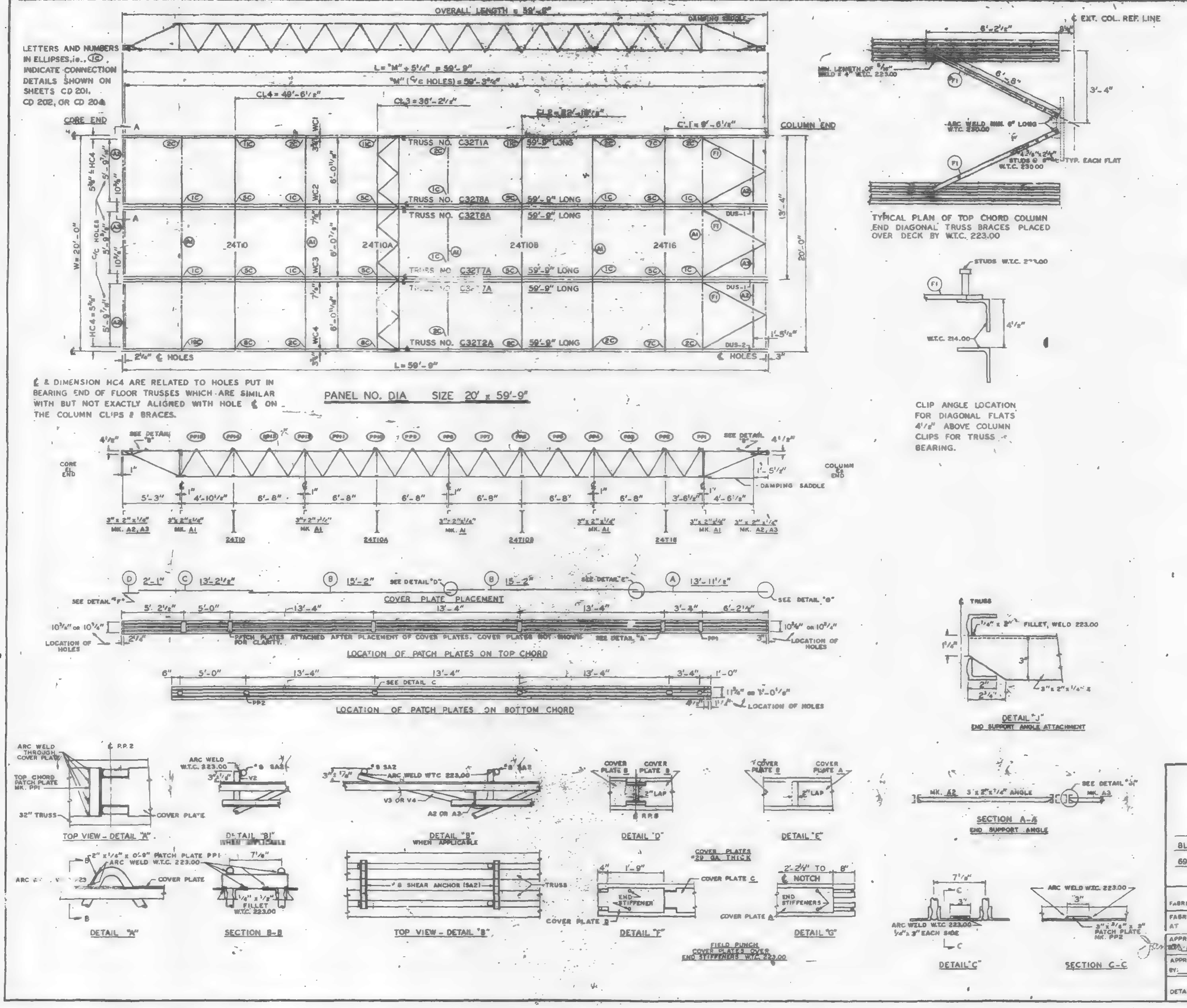
7-AB2-5 & 11	4-15-68
7-AB3-9	4-15-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3,4 & 5	4-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
PANEL DIE – 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-9 4-15-68	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE 8/19/68	DRAWN BY: gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JUN 22, 1968	IN CHARGE OF PROD DEV
DETAILED BY A CARL WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP DIE



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅞"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅞"	ST 403
DIAGONAL FLATS	F1	8	1½" x ⅝" x 8'-6"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 253
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

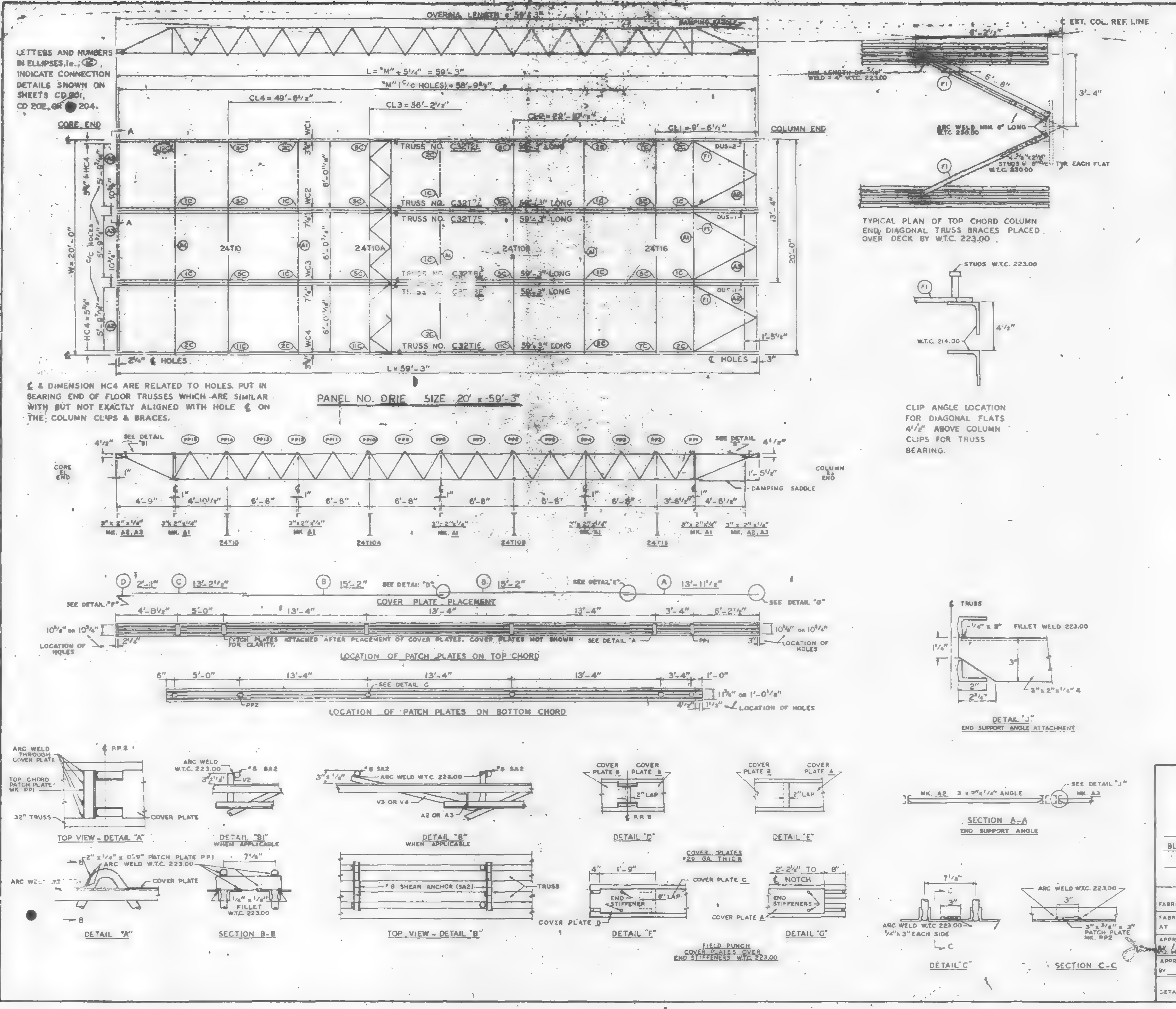
REF. DRWGS.

7-AB2-5 & 11	4-15-68
7-AB3-9	4-15-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
S/-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3,4 & 5	4-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH)
PANEL DIA - 20' x 59'-9"

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-9 4-15-68
PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE 8/16/68
DRAWN BY: gdc DATE JULY 22, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M. CHUPA DATE JULY 22, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY: A CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO FP DIA



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 2[illegible]
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1-3"	ST 400
	CB4	6	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/8"
B = 1/8"

REF. DRWGS.

7-AB2-5 & 11	4-15-68
7-AB3-9	4-15-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3, 4 & 5	4-15-68

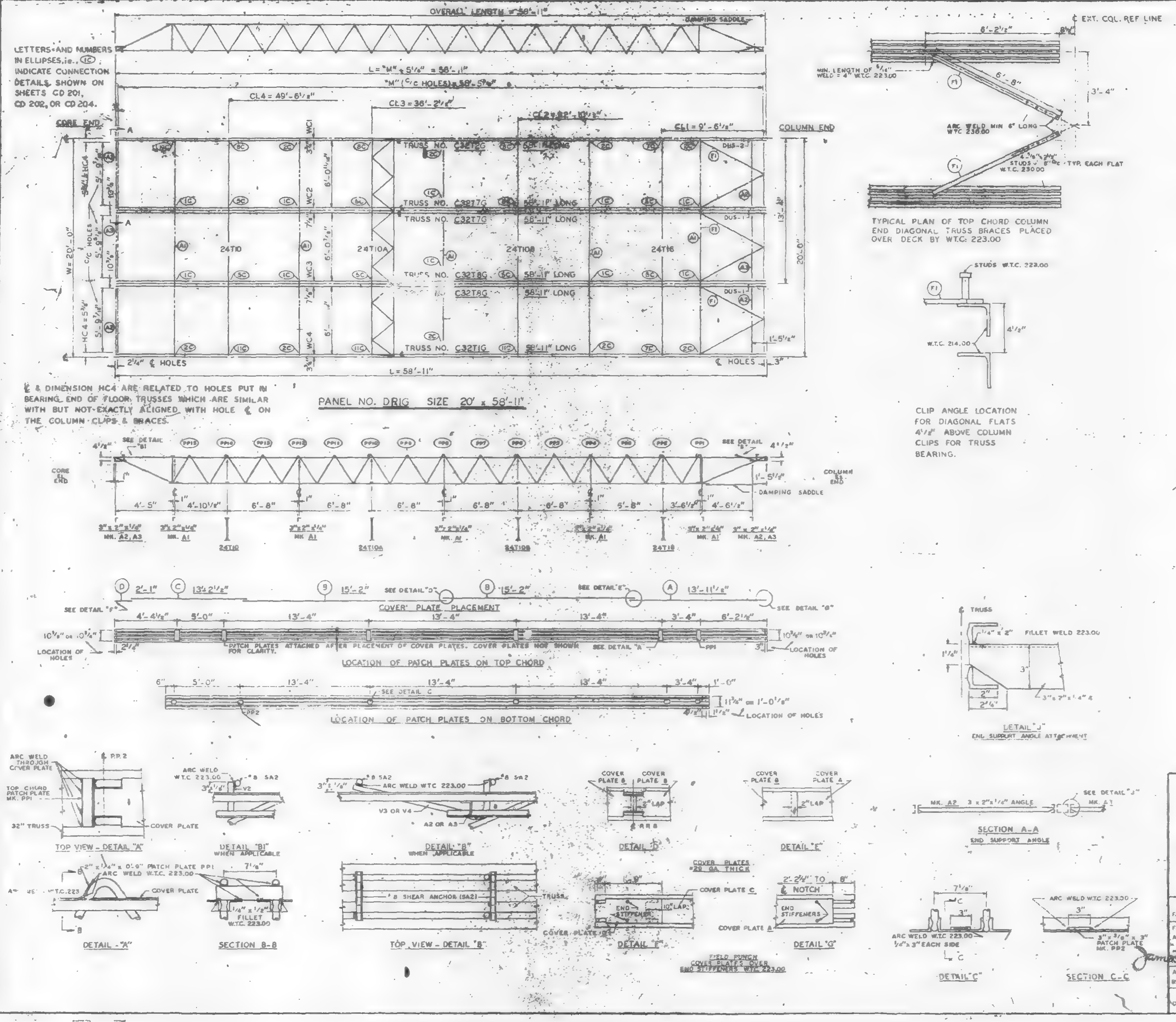
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL DRIE - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A BY [signature]	DATE 8/19/68	DRAWN BY gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY T M CHURA DATE JULY 22, 1968	IN CHARGE OF PROD DEV
DETAILED BY A CARL WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO. FP DRIE



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	1	C32T1G - 58'-11"	ST 201G
	T2G	1	C32T2G - 58'-11"	ST 202G
	T7G	2	C32T7G - 58'-11"	ST 207G
	T8G	2	C32T8G - 58'-11"	ST 208G
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 3/4"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 3/4"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
	CB4	6	1" ⌀ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .30" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

REF. DRWGS.

7-AB2-5 & 11	4-15-68
7-AB3-10	4-15-68
7-AB4-3,3,1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-66
7-AB1-2	2-15-68
7-AB1-3,4 & 5	4-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

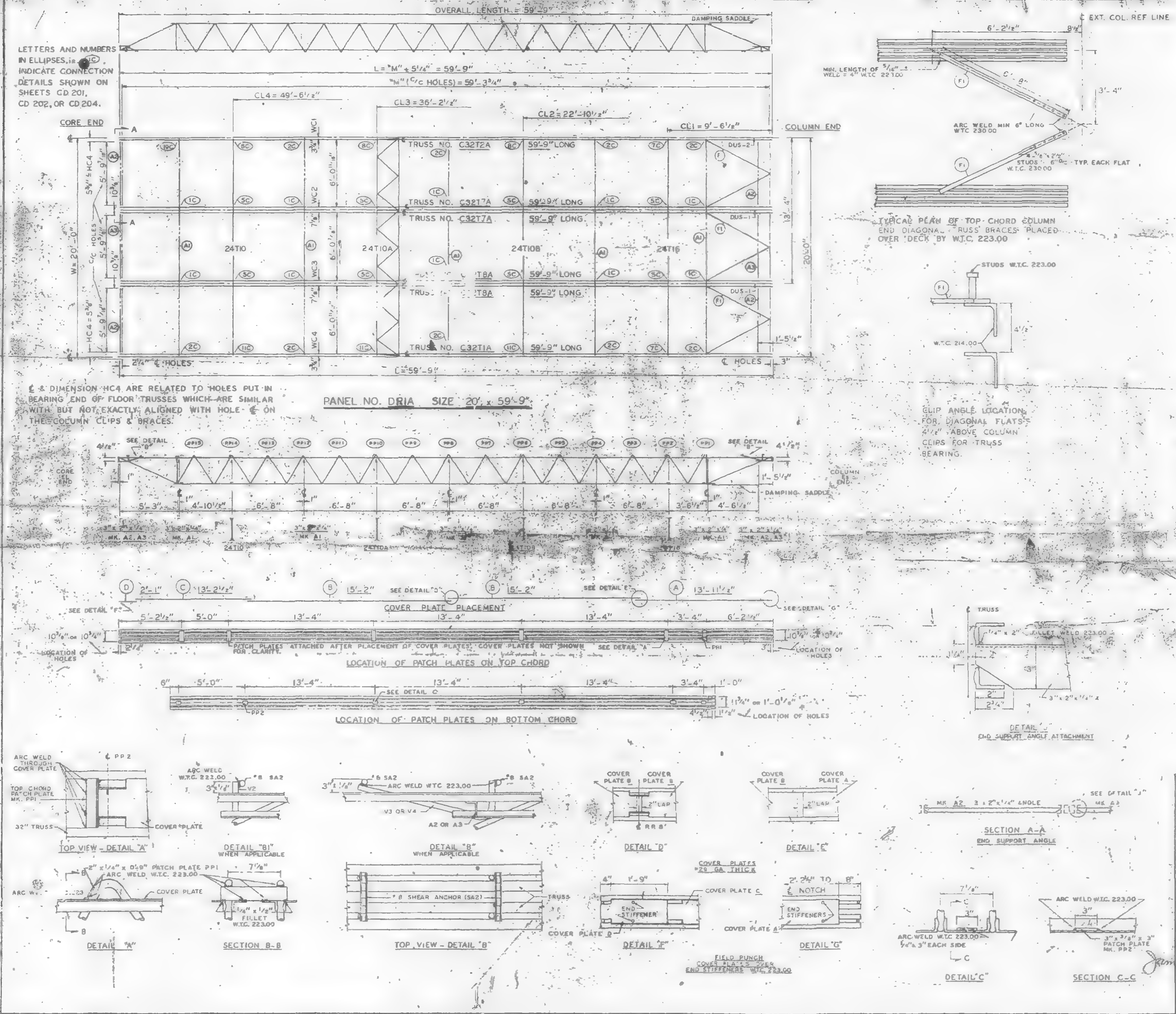
BLDG. A FLOORS 10-11, 39 (NORTH)

PANEL DRIG - 20' x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3-10 4-15-68	PLATE
APPROVED FOR FABRICATION FOR P O N Y A	DATE 8/9/68	DRAWN BY gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T M CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV
DETAILED BY A CARL WEBER		FABRICATION CONT NO W T C 221	SHEET NO FP DRIG

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1A	1	C32T1A - 59'-9"	ST 201A
	T2A	1	C32T2A - 59'-9"	ST 202A
	T7A	2	C32T7A - 59'-9"	ST 207A
	T8A	2	C32T8A - 59'-9"	ST 208A
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1½" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-8"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ¾" x 3'-6"	ST 298
	DUS-2	1	3½" x 3½" x ¾" x 3'-6"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x 3½" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = 1/8"
B = 1/8"

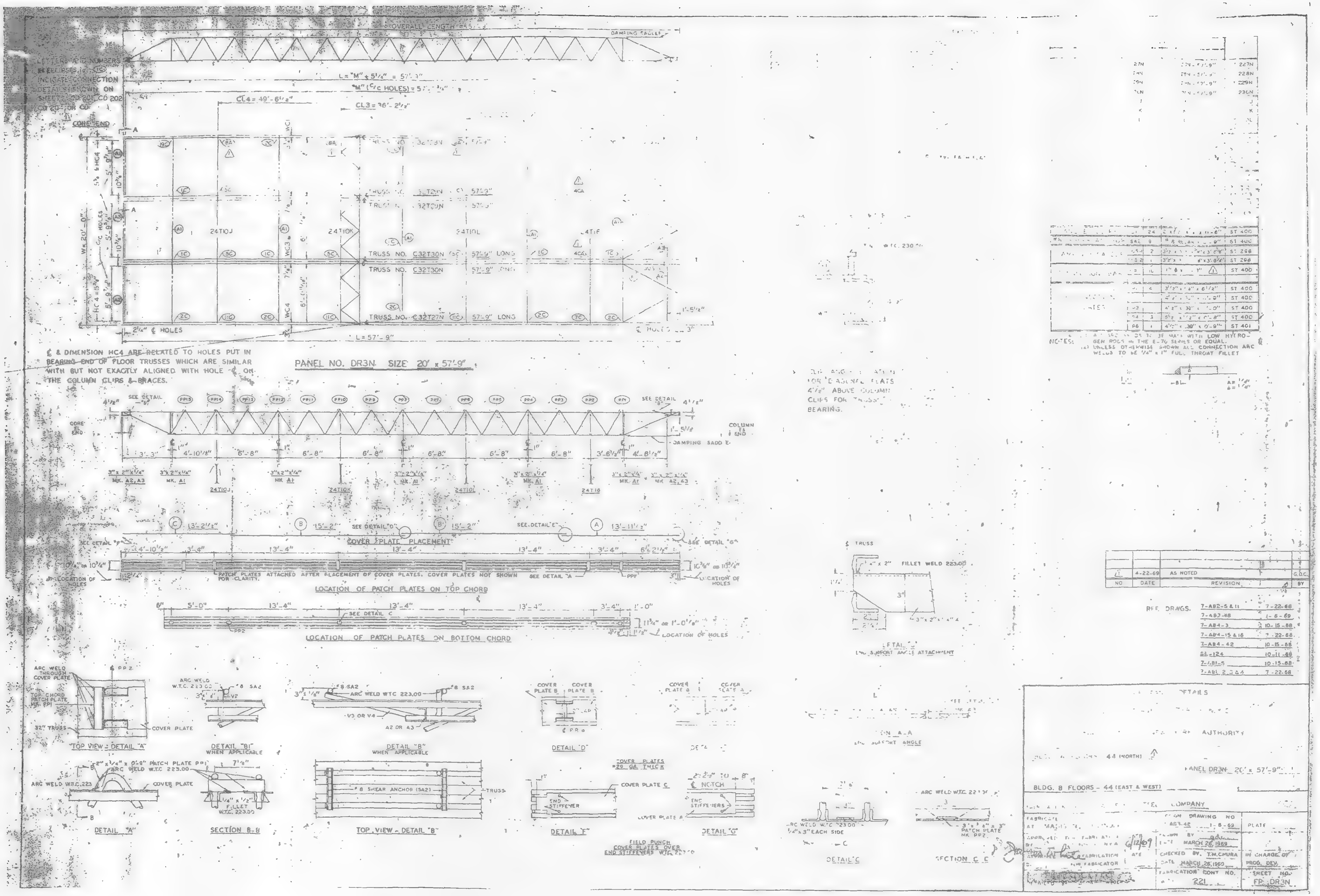
REF. DRWGS.	
7-AB2-5 & 11	4-15-68
7-AB3-10	4-15-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-2	2-15-68
7-AB1-3, 4 & 5	4-15-68

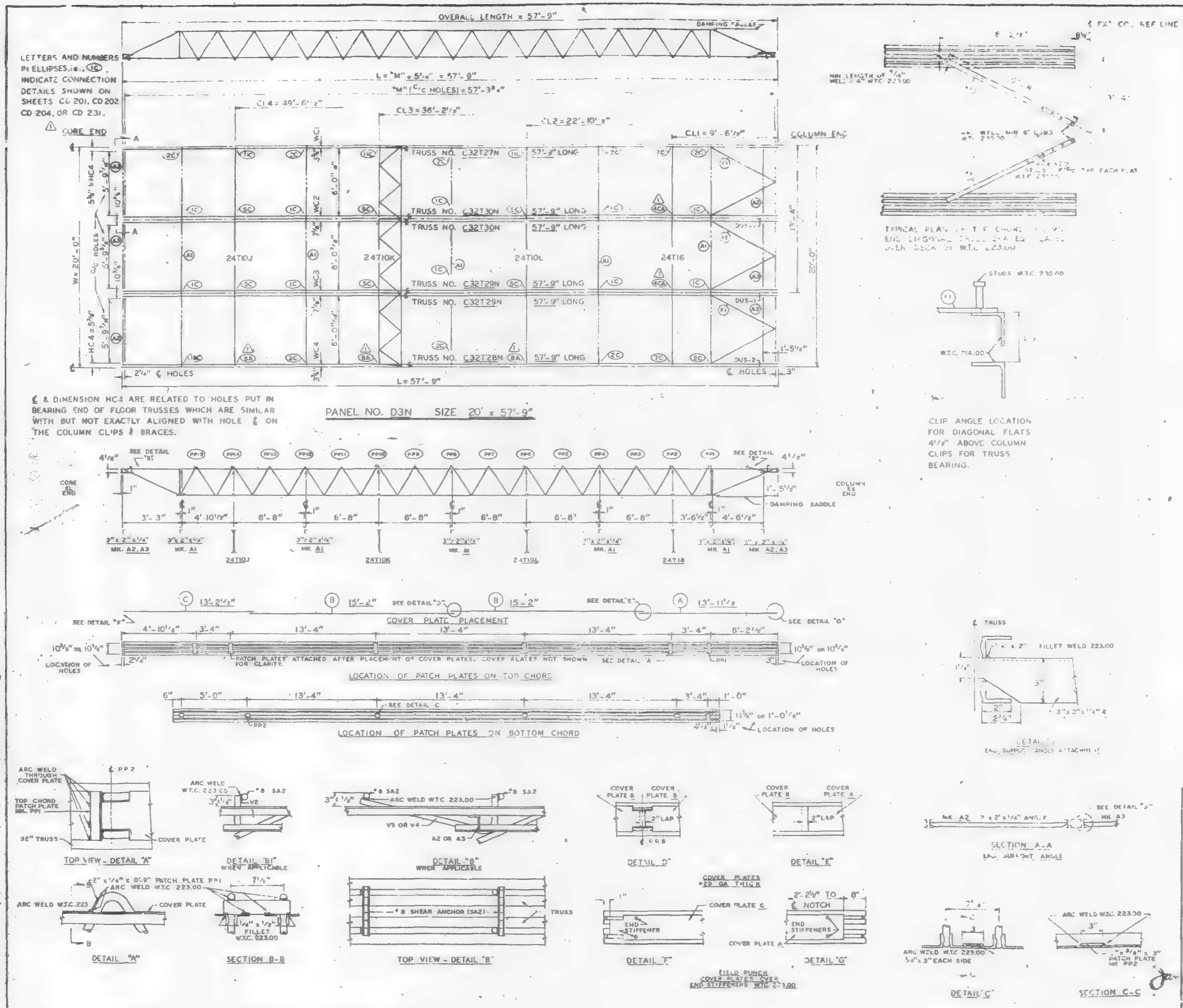
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66 & 68-69 (NORTH) PANEL DR'A' 20' x 59'-9"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3-10 4-15-68	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 8/19/68	DRAWN BY: gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J M CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. WTC 221	SHEET NO. FP DRIA


LETTERS AND NUMBERS ENCLOSED IN (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 203 OR CD
CORE END
DAMPING SADDLE
L = "M" + 5 1/4" = 57'-3"
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
TRUSS NO. C32T30N 57'-9" LONG
TRUSS NO. C32T30N 57'-9" LONG
TRUSS NO. C32T27N 57'-9" LONG
24T10J
24T10K
24T10L
2 1/4" ℄ HOLES
L = 57'-9"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DR3N. SIZE 20' x 57'-9"
SEE DETAIL
COLUMN END
3'-3"
4'-10 1/8"
6'-8"
3'-6 1/2"
4'-8 1/2"
MK. A2, A3
MK. A1
COVER PLATE PLACEMENT
13'-2 1/2"
15'-2"
13'-11 1/2"
SEE DETAIL "D"
SEE DETAIL "E"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF HOLES
5'-0"
13'-4"
3'-4"
1'-0"
SEE DETAIL C
LOCATION OF PATCH PLATES ON BOTTOM CHORD
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK. PP1
32" TRUSS
COVER PLATE
TOP VIEW - DETAIL "A"
ARC WELD W.T.C. 223.00
DETAIL "B1" WHEN APPLICABLE
ARC WELD WTC 223.00
V3 OR V4
A2 OR A3
DETAIL "B" WHEN APPLICABLE
COVER PLATE B
DETAIL "D"
PATCH PLATE PP1
ARC WELD W.T.C. 223.00
ARC WELD W.T.C. 223
DETAIL "A"
SECTION B-B
8 SHEAR ANCHOR (SA2)
TRUSS
TOP VIEW - DETAIL "B"
COVER PLATES #20 GA THICK
COVER PLATE C
END STIFFENER
DETAIL "F"
NOTCH
END STIFFENERS
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS
FILLET WELD 223.00
3" x 2" x 1/4"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
ARC WELD W.T.C. 223.00
1/4" x 3" EACH SIDE
DETAIL C
PATCH PLATE MK. PP2
SECTION C-C
FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
NOTES: ALL WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET
4-22-69 AS NOTED
NO DATE REVISION BY
REF. DRAWGS.
7-AB2-5 & 11 7-22-68
7-AB3-48 1-8-69
7-AB4-3 10-15-68
7-AB4-15 & 16 7-22-68
7-AB4-42 10-15-68
7-AB1-5 10-15-68
7-AB1 2,3 & 4 7-22-68
DETAILS
AUTHORITY
44 (NORTH)
PANEL DR3N 20' x 57'-9"
BLDG. B FLOORS - 44 (EAST & WEST)
COMPANY
DRAWING NO
AB3-48 1-8-69
DRAWN BY
MARCH 26, 1969
CHECKED BY T.M. CHURA
DATE MARCH 26, 1969
FABRICATION CONT NO. 221
IN CHARGE OF PROD. DEV.
SHEET NO. FP DR3N



REQUIRED MATERIAL PER PANEL				REF DRWGS
MATERIAL	MK	#	SIZE	
FLOOR TRUSSES	T27N	1	C32T27N - 57'-9"	ST 227N
	T28N	1	C32T28N - 57'-9"	ST 228N
	T29N	2	C32T29N - 57'-9"	ST 229N
	T30N	2	C32T30N - 57'-9"	ST 230N
BRIDGING TRUSSES	[illegible]	[illegible]	24T10J - 18'-11"	ST 210J
	[illegible]	[illegible]	24T10K - 18'-11"	ST 210K
	[illegible]	[illegible]	24T10L - 18'-11"	ST 210L
	T16	1	24T16 - 18'-11"	ST 216
[illegible] ANGLE	[illegible]	[illegible]	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	2	3" x [illegible] x ¼" x 5'-11[illegible]"	ST 403
[illegible] PLATE	F	[illegible]	[illegible] x C'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	[illegible]	9" x .0135" x 13'-11½"	ST 303
	B	[illegible]	9" x 0.135" x 15'-2"	ST 303
	C	[illegible]	9" x 0.135" x 13'-2½"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x [illegible] x ⅜" x 3'-6⅞"	ST 298
	DUS-2	[illegible]	3½" x [illegible] x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	10	1" ϕ x 1 - 3" ⚠1	ST 400
CONNECTION PLATES	[illegible]	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	[illegible]	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P5	[illegible]	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

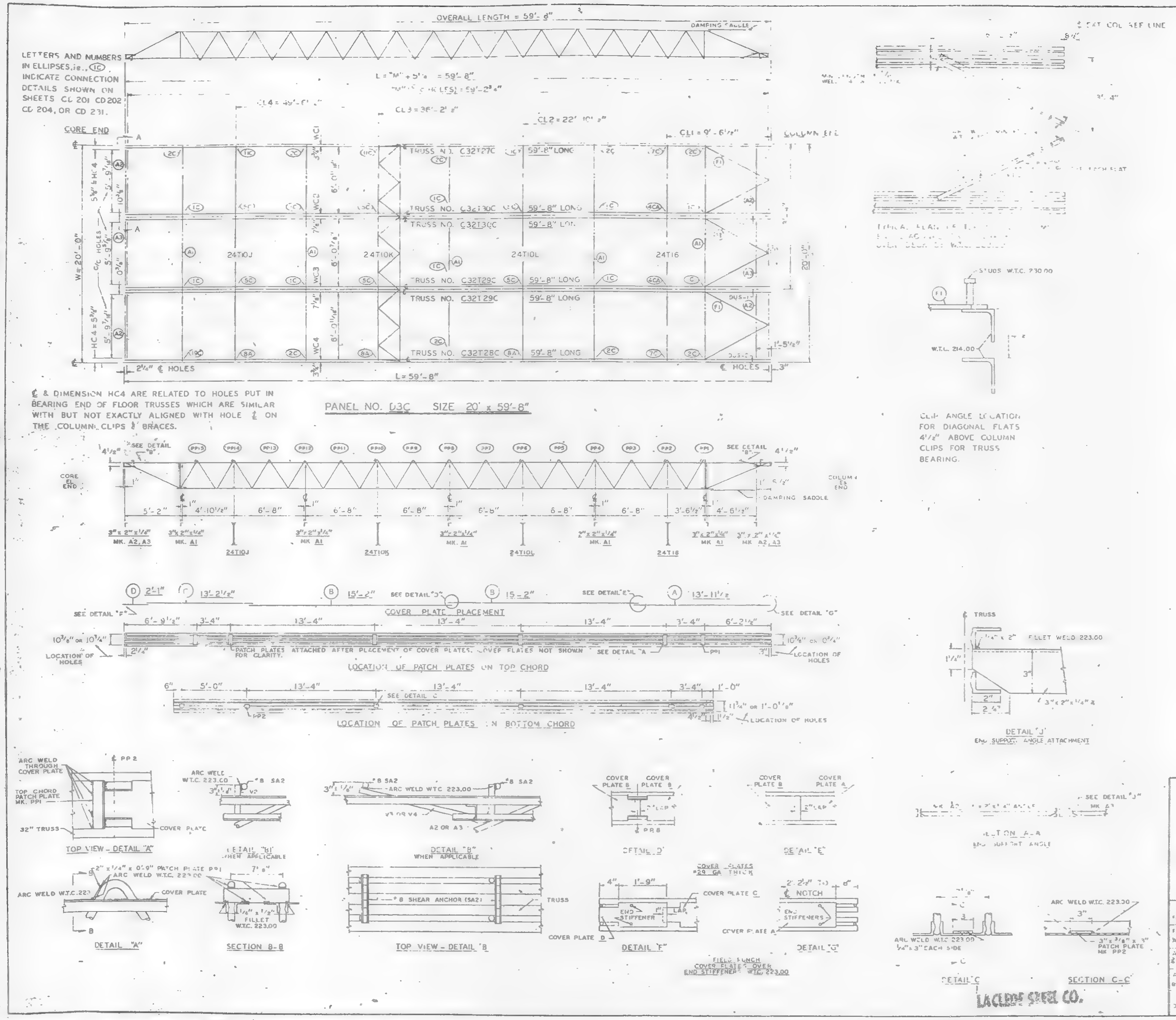
NO	DATE	REVISION	BY
⚠1	4-22-69	AS NOTED	GDC

REF. DRWGS.	
7-AB2-5 & 11	7-24-68
7-AB3-47	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-24-68
7-AB4-42	10-15-68
6A-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-24-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (NORTH)
PANEL D3N - 20' x 57'-9"
BLDG. B FLOORS 44 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR PONYA — DATE 6/12/69
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
DETAILED BY A. CARL WEBER
DESIGN DRAWING NO. 7-AB3-47
DRAWN BY gdc
DATE MARCH 28, 1969
CHECKED BY T M CHURL
DATE MARCH 28, 1969
FABRICATION CONT NO W.T.C. 221
PLATE
IN CHARGE OF PROD. DEV.
SHEET NO. FP D3N



REQUIRED MATERIAL PER PANEL				EE DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T27C	1	C32T27C - 59'-8"	ST 227C
	T28C	1	C32T28C - 59'-8"	ST 228C
	T29C	2	C32T29C - 59'-8"	ST 229C
	T30C	2	C32T30C - 59'-8"	ST 230C
[illegible]	T10J	1	24T10J - 19'-11"	ST 210J
	T10K	1	24T10K - 19'-11"	ST 210K
	T10L	1	24T10L - 19'-11"	ST 210L
	T16	1	24T16 - 19'-11"	ST 216
[illegible]	A…	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 400
PATCH PLATES	PP	18	2" x 1/4" x 0'-9"	ST 400
	PP[illegible]	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/4" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	10	1" ϕ x - 3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x [illegible]	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/8"
B = 1/8"

NO.	DATE	REVISION	BY

REF. DRWGS.

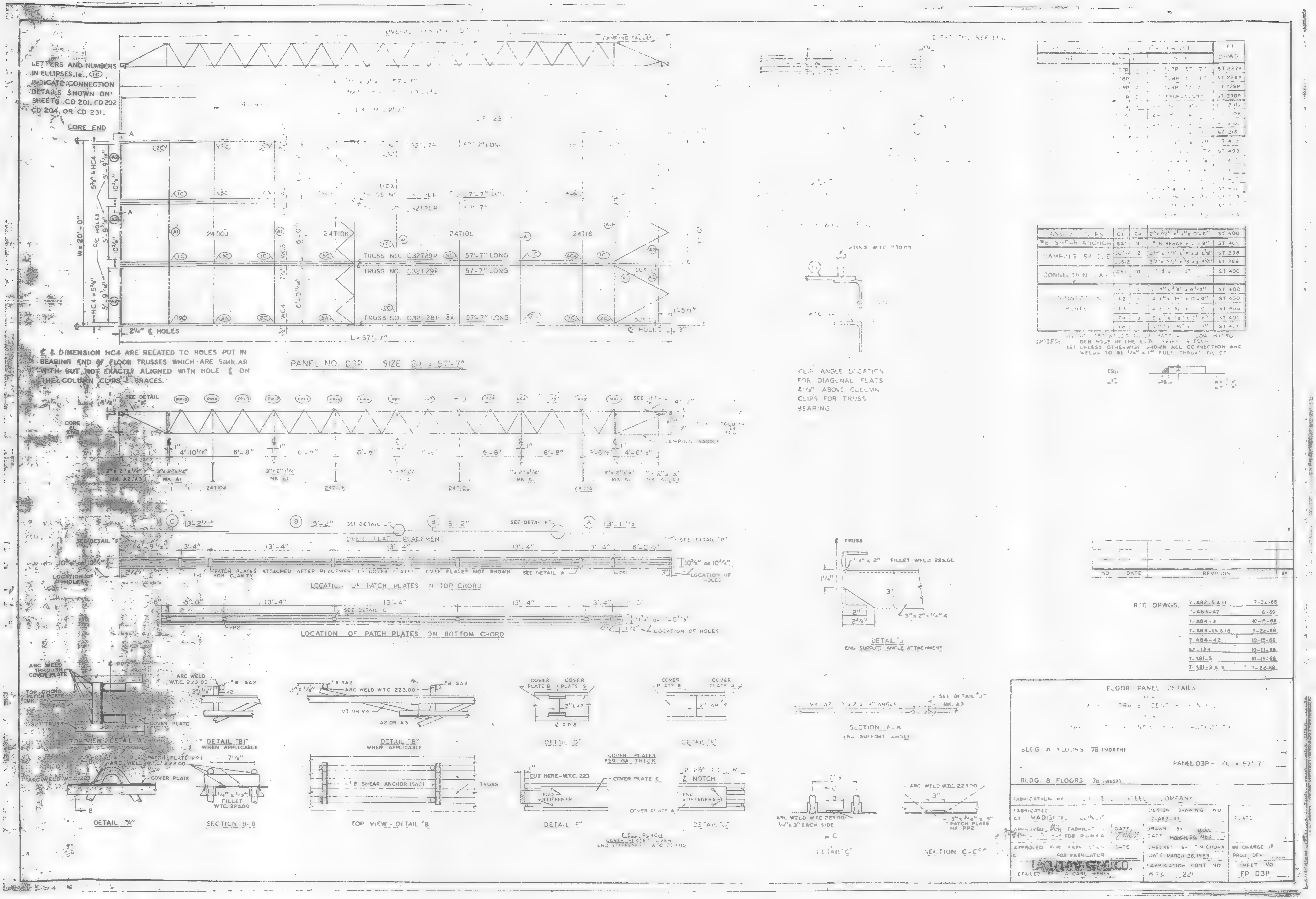
7-AB2-5 & 11	7-22-68
7-AB3-47	1-6-69
7-AB4-1	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
57-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

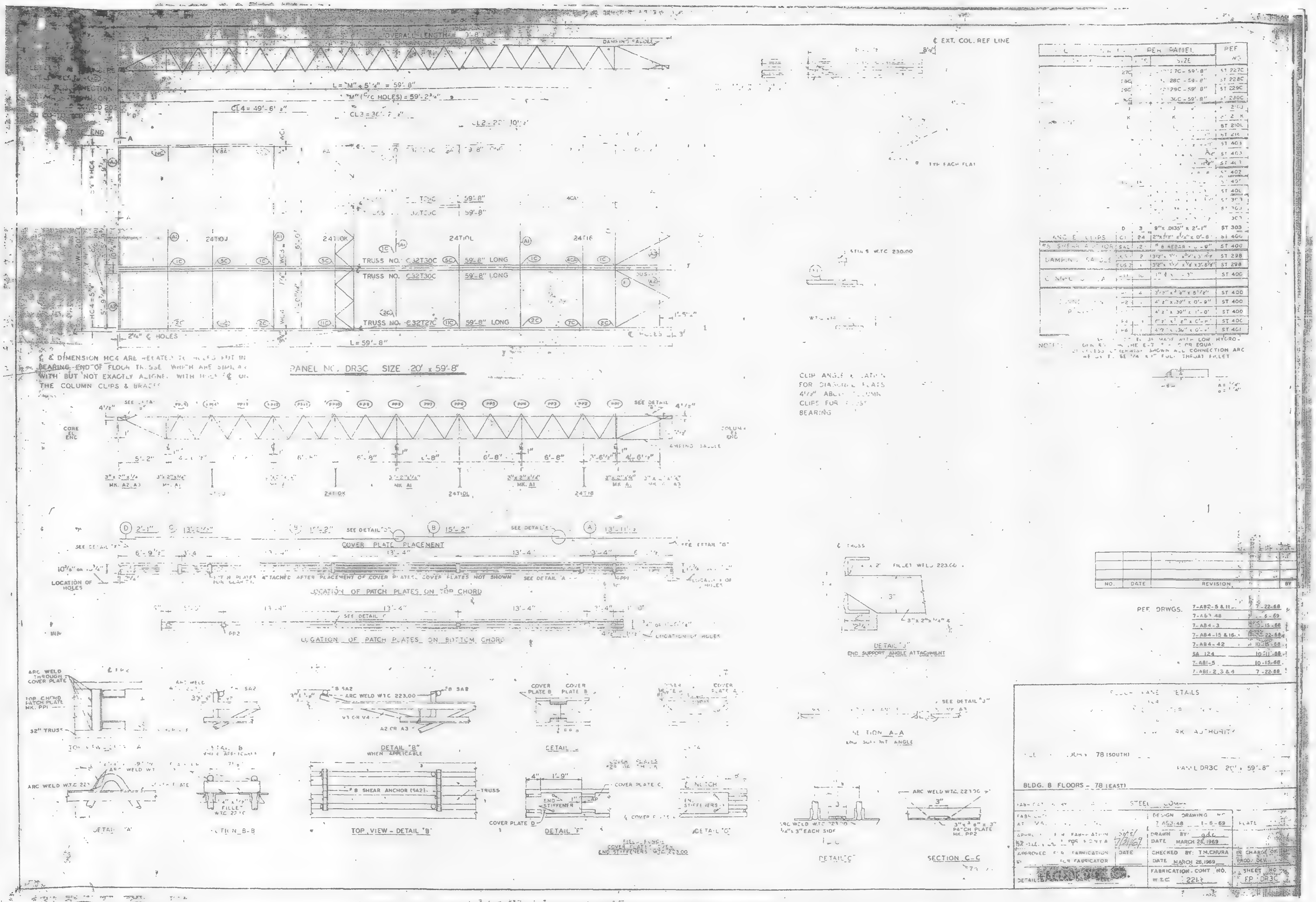
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (SOUTH)
PANEL D3C - 20' x 59'-8"
BLDG. B FLOORS 78 (EAST)

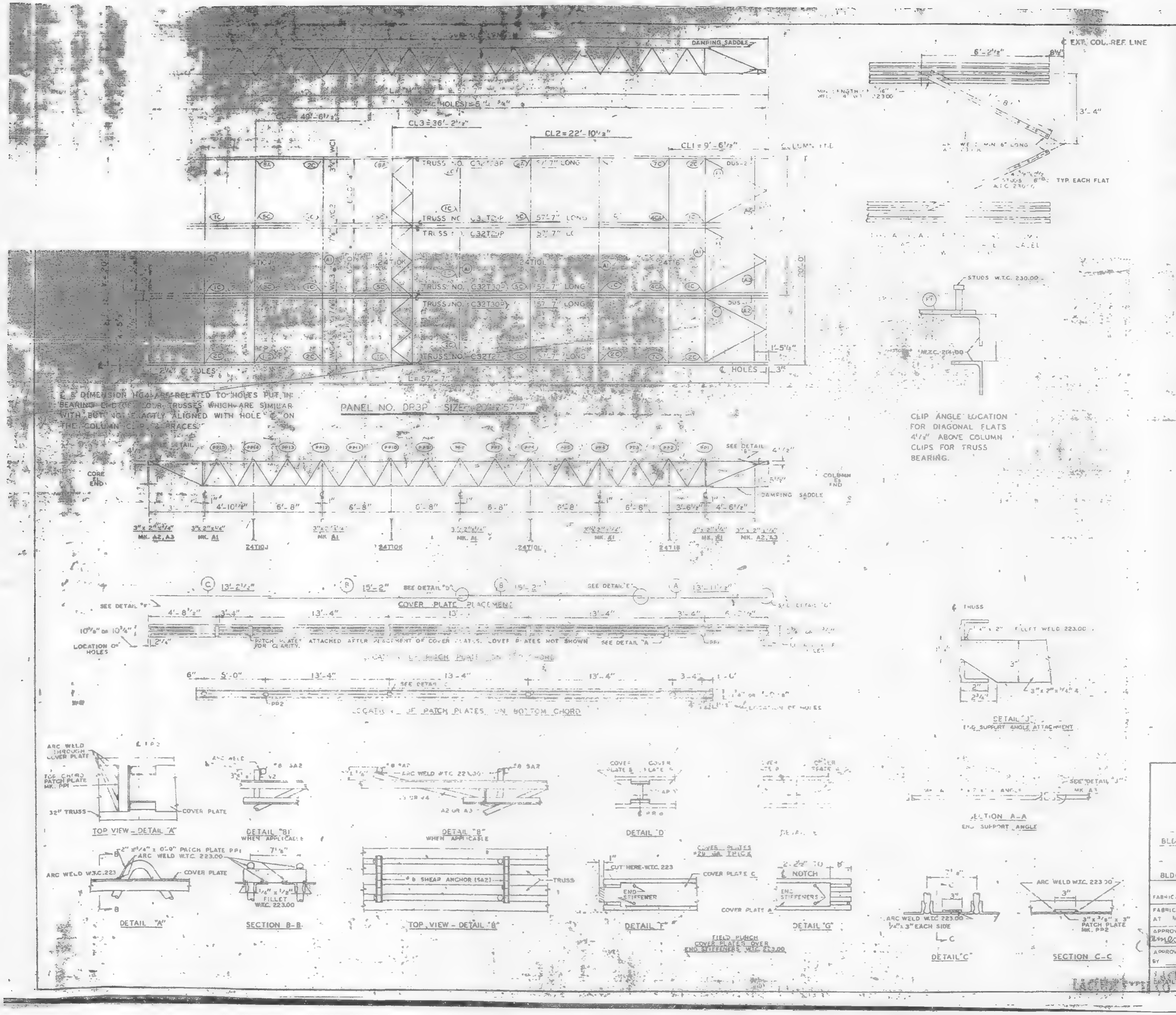
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY ______ FOR P. N. Y. A. DATE 7/31/69
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
DETAILED BY CARL WEBER
DESIGN DRAWING NO 7-AB3-47
DRAWN BY gdc
DATE MARCH 26, 1969
CHECKED BY T.M. CHURA
DATE MARCH 26, 1969
FABRICATION CONT NO W T C 221
PLATE
IN CHARGE OF PROD DEV
SHEET NO. FP D3C

LACLEDE STEEL CO.


LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204, OR CD 231.
CORE END
PANEL NO. D3P SIZE 20 x 57'-7"
TRUSS NO. C32T29P 57'-7" LONG
TRUSS NO. C32T28P 57'-7" LONG
L = 57'-7"
W = 20'-0"
24T10J
24T10K
24T10L
24T16
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
DAMPING SADDLE
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES IN TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 2 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
FILLET WELD 223.00
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK. PP1
COVER PLATE
TOP VIEW - DETAIL "A"
DETAIL "A"
DETAIL "B1"
WHEN APPLICABLE
SECTION B-B
DETAIL "B"
WHEN APPLICABLE
TOP VIEW - DETAIL "B"
"B" SHEAR ANCHOR (SA2)
DETAIL "D"
DETAIL "E"
COVER PLATES #29 GA. THICK
CUT HERE - W.T.C. 223
END STIFFENER
DETAIL "F"
DETAIL "G"
SECTION C-C
PATCH PLATE MK PP2
REF. DRWGS.
7-AB2-5 & 11 7-22-68
7-AB3-47 1-6-69
7-AB4-3 10-15-68
7-AB4-15 & 16 7-22-68
7 AB4-42 10-15-66
SF-124 10-11-68
7-AB1-5 10-15-68
7-AB1-2 & 3 7-22-68
NO | DATE | REVISION | BY
FLOOR PANEL DETAILS
BLDG. A FLOORS 78 (NORTH)
PANEL D3P - 20 x 57'-7"
BLDG. B FLOORS 76 (WEST)
FABRICATED AT MADISON
DESIGN DRAWING NO 7-AB3-47
DRAWN BY
DATE MARCH 26 1969
CHECKED BY CHUNA
DATE MARCH 26, 1969
FOR FABRICATOR
FABRICATION CONT NO W.T.C. 221
IN CHARGE OF PROD. DEV.
SHEET NO FP D3P
DETAILED BY A CARL WEBER



PANEL NO. DR3C SIZE 20' x 59'-8"
TRUSS NO. C32T30C 59'-8" LONG
TRUSS NO. C32T30C 59'-8" LONG
TRUSS NO. C32T27C 59'-8" LONG
L = 59'-8"
L = "M" + 5'-4" = 59'-8"
CL4 = 49'-6 1/2"
CL3 = 36'-7 1/2"
CL2 = 22'-10 1/2"
¢ EXT. COL. REF LINE
DAMPING SADDLE
¢ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH THE ¢ OF THE COLUMN CLIPS & BRACES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
DETAIL "B"
WHEN APPLICABLE
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
SECTION C-C
5/8" SHEAR ANCHOR (SA21)
ARC WELD W.T.C. 223.00
NO. DATE REVISION BY
REF. DRWGS.
7-AB2-5 & 11 7-22-68
7-AB3-48 1-6-69
7-AB4-3
7-AB4-15 & 16
7-AB4-42
SA 124
7-AB1-5 10-15-68
7-AB1-2, 3 & 4 7-22-68
FLOOR PANEL DETAILS
PORT OF NEW YORK AUTHORITY
PANEL DR3C 20' x 59'-8"
BLDG. 8 FLOORS - 78 (EAST)
DESIGN DRAWING NO. 7-AB3-48 1-6-69
DRAWN BY gdc
DATE MARCH 26, 1969
CHECKED BY: T.M.CHURA
DATE MARCH 28, 1969
FABRICATION - CONT NO. W.T.C 224
SHEET NO. FP-DR3C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T27P	1	C32T27P - 57'-7"	ST 227P
	T28P	1	C32T28P - 57'-7"	ST 228P
	T29P	2	C32T29P - 57'-7"	ST 229P
	T30P	2	C32T30P - 57'-7"	ST 230P
BRIDGING TRUSSES	T CJ	1	24T CJ - 19'	BT 210J
	T OK	1	24T OK - 19'	BT 210K
	T10L	1	24T10L - 19'	BT 210L
	T 8	1	24T 8 - 19'-11"	BT 216
[illegible]	[illegible]	5	3" x [illegible] x ¼" x 19'-11"	ST 403
	A2	4	3" x [illegible] x ¼" x 5' [illegible]	ST 403
	A3	2	3" x [illegible] x ¼" x 5' [illegible]	ST 403
DIAGONAL [illegible]	F1	6	[illegible] x ⅝" x 6'-8"	ST 402
PATCH [illegible]	PP1	18	[illegible]	ST 400
	PP2	16	[illegible] x ⅜" x [illegible]-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	10	1" ϕ x 1 - 3"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x 1½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ½" x 1" FULL THROAT FILLET.

A = ⅛"
B = ¼"

NO	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-48	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (NORTH)

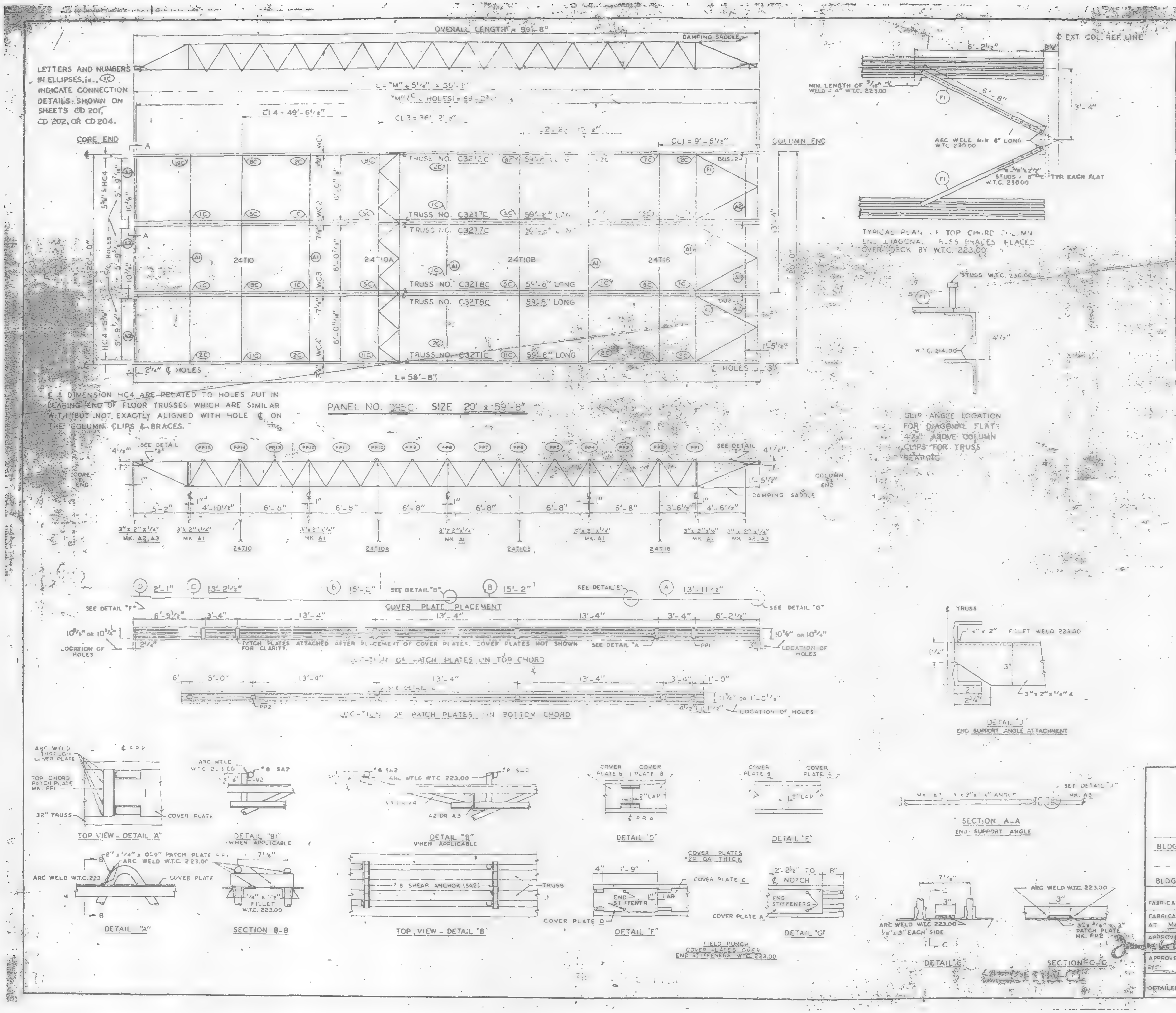
PANEL DR3P - 20' x 57'-7"

BLDG. B FLOORS - 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-48 1-6-69	PLATE
APPROVED FOR FABRICATION [signature] FOR PONYA	DATE 7/31/69	DRAWN BY: gdc DATE MARCH 26, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE MARCH 26, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY KARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP ADR3P

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅜"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11½"	ST 303
	B	8	9" x 0135" x 15'-2"	ST 303
	C	3	9" x 0135" x 13'-2½"	ST 303
	D	3	9" x 0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-5⅞"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	[illegible]	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P8	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ⅛"
B = ¼"

NO	DATE	REVISION	BY
1	8-4-69	AS NOTED	[illegible]

REF. DRWGS.

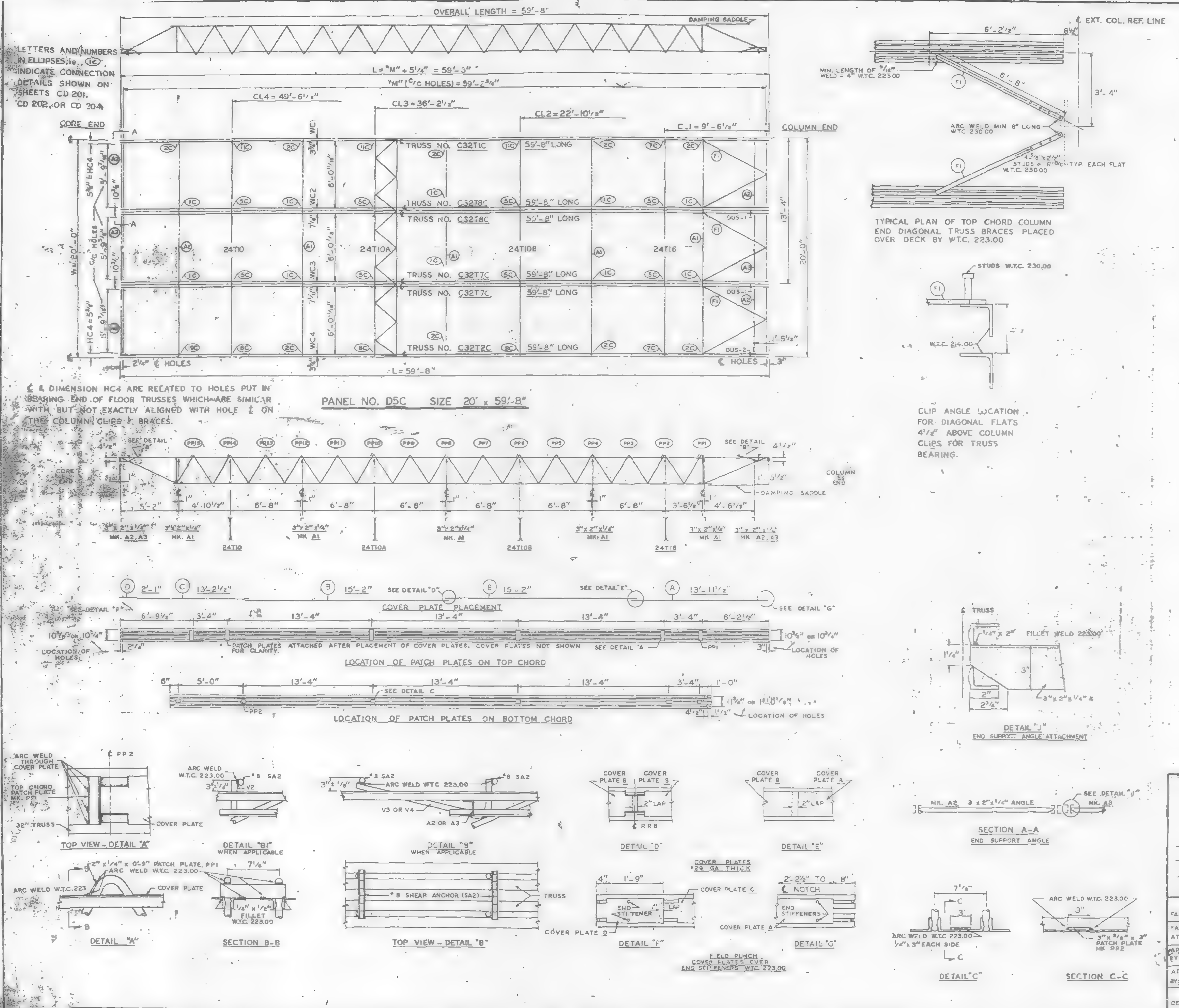
7-AB2-8 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79 (SOUTH) 43 (SOUTH) (1)
PANEL DR5C 20' x 59'-8"
BLDG. B FLOORS 79 (EAST) 49 (EAST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 8/11/69	DRAWN BY adc DATE JAN 14 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE JAN 4 1969	IN CHARGE OF PROD. DEV.
DETAILED BY CARL WEBER		FABRICATION CONT. NO. W.T.C.-221	SHEET NO. FP-DR5C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-0"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .38" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

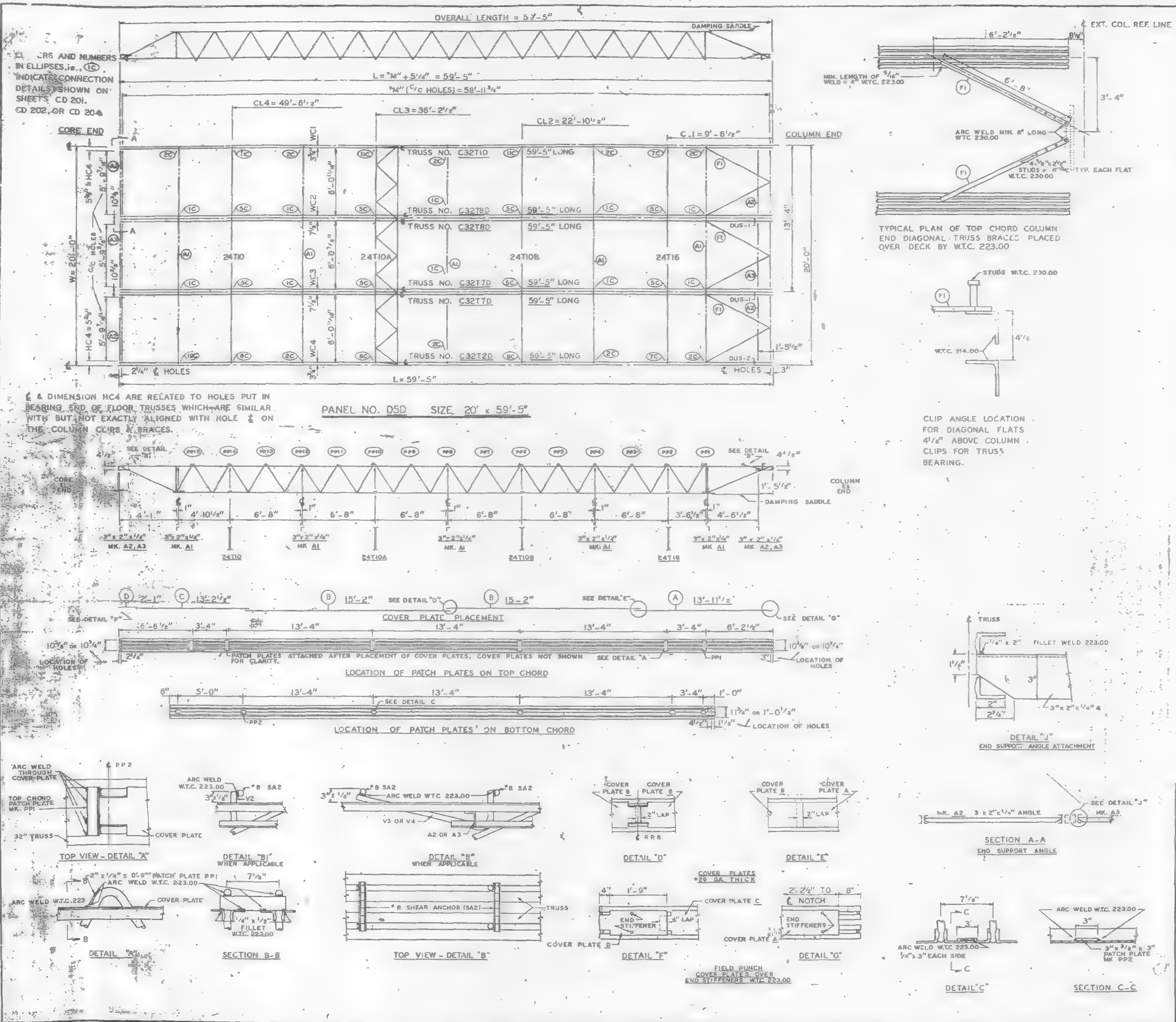
BLDG. A FLOORS 49 (SOUTH)

PANEL D5C - 20' x 59'-8"

BLDG. B FLOORS 49 (EAST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1D	1	C32T1D - 59'-5"	ST 201D
	T2D	1	C32T2D - 59'-5"	ST 202D
	T7D	2	C32T7D - 59'-5"	ST 207D
	T8D	2	C32T8D - 59'-5"	ST 208D
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-1 9/16"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-1 5/8"	ST 403
DIAGONAL FLATS	F1	8	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	8	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 13'-2 1/2"	ST 303
	D	3	9"x .0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2"x 1/4"x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 8 1/2"	ST 400
	P2	1	4 1/2"x .38"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

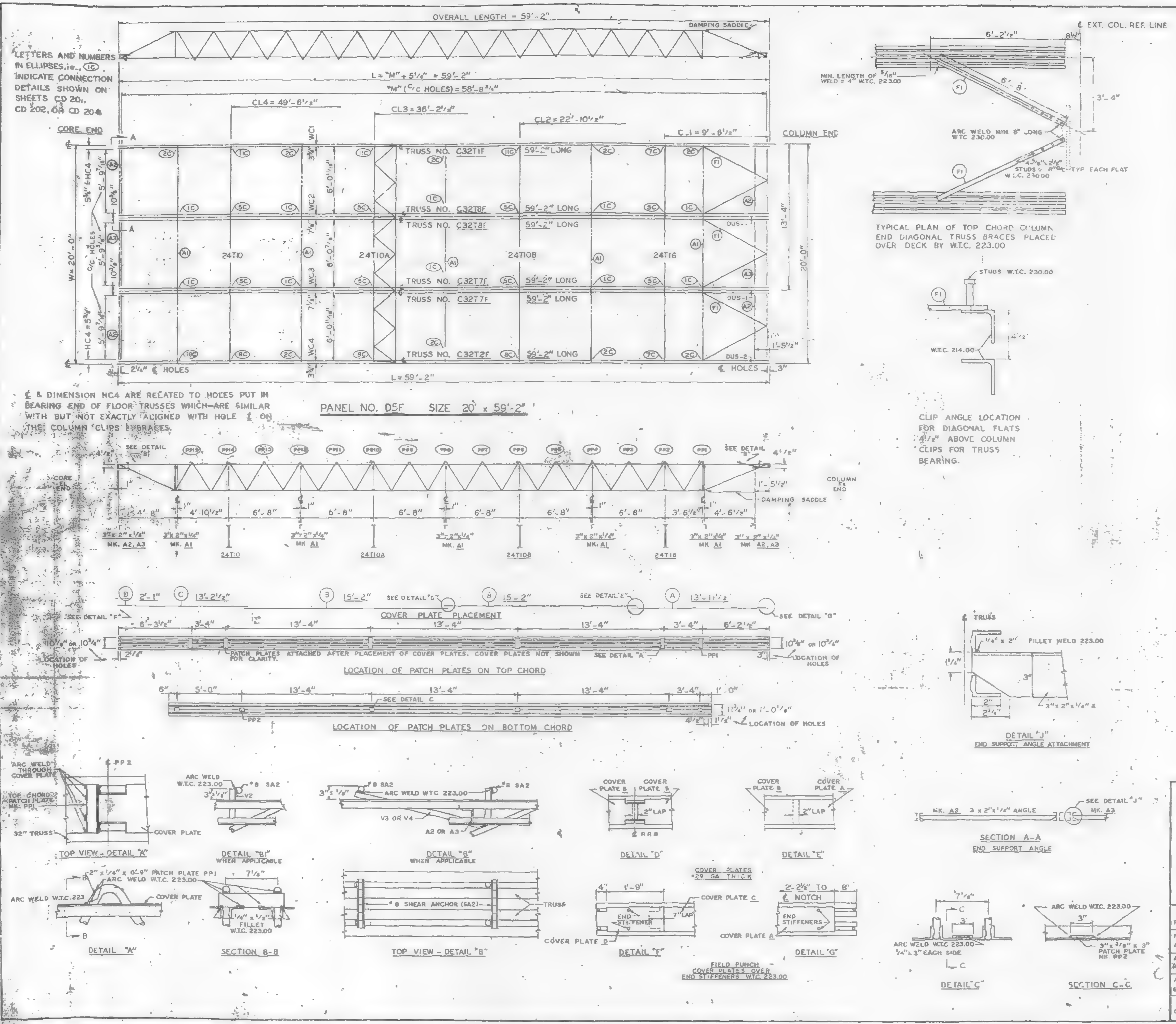
REF. DRWGS.	
7-A82-5 & 11	7-22-68
7-A83-71	11-25-68
7-A84-3	10-15-68
7-A84-15 & 16	7-22-68
7-A84-42	10-15-68
SA-124	10-11-68
7-A81-5	10-15-68
7-A81-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (NORTH)
PANEL D5D - 20' x 59'-5"
BLDG. B FLOORS 81-82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-71	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 7/3/69	DRAWN BY: gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5D



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1F	1	C32T1F - 59'-2"	ST 201F
	T2F	1	C32T2F - 59'-2"	ST 202F
	T7F	2	C32T7F - 59'-2"	ST 207F
	T8F	2	C32T8F - 59'-2"	ST 208F
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11 1/2"	ST 303
	B	6	9" x 0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x 0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWGS.

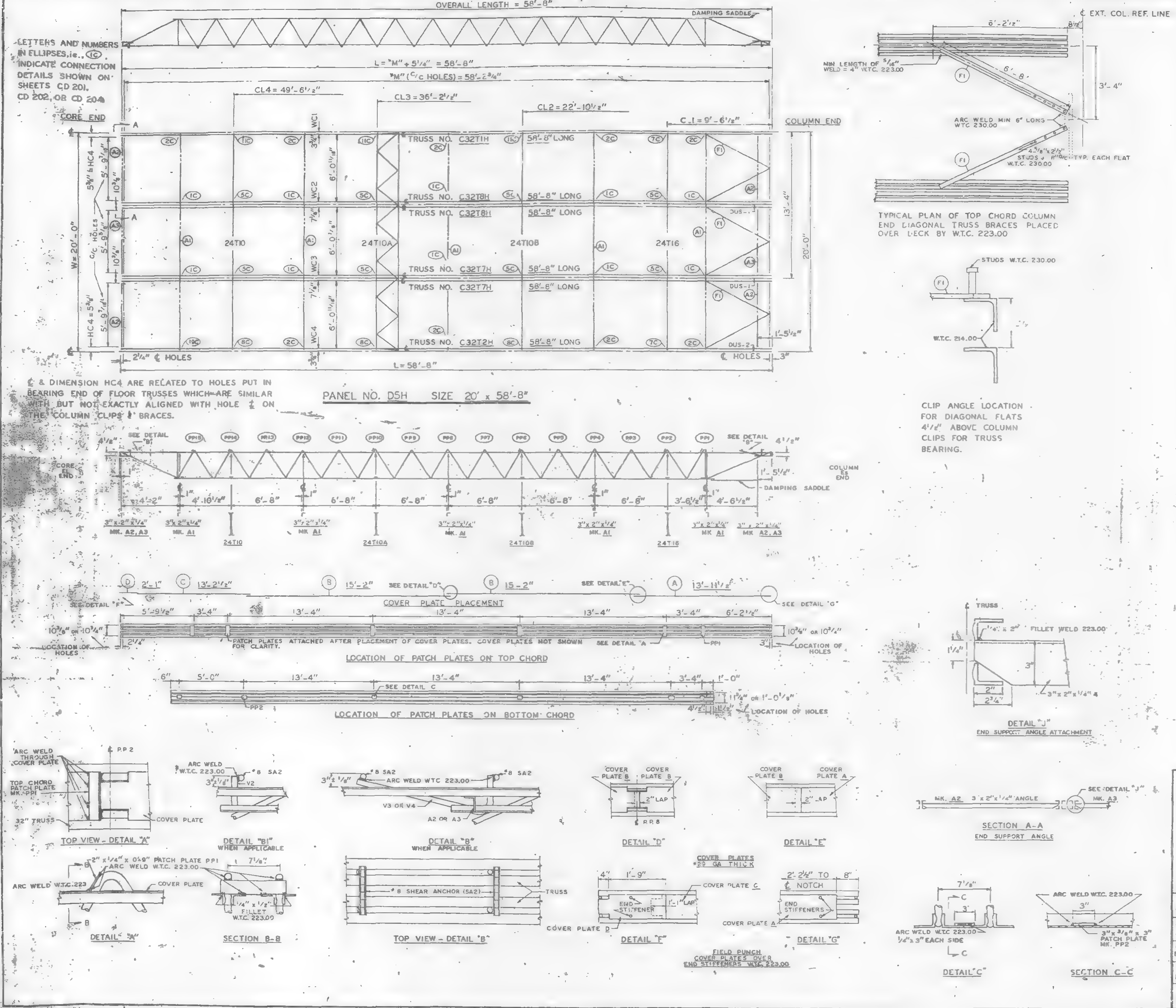
7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-5-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SF-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47 & 48 (SOUTH)
PANEL D5F - 20' x 59'-2"
BLDG. B FLOORS 47 & 48 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY: [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5F



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1H	1	C32T1H - 58'-8"	ST 201H
	T2H	1	C32T2H - 58'-8"	ST 202H
	T7H	2	C32T7H - 58'-8"	ST 207H
	T8H	2	C32T8H - 58'-8"	ST 208H
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4" x 5'-11 7/16"	ST 403
	A3	2	3"x 2"x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3'	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

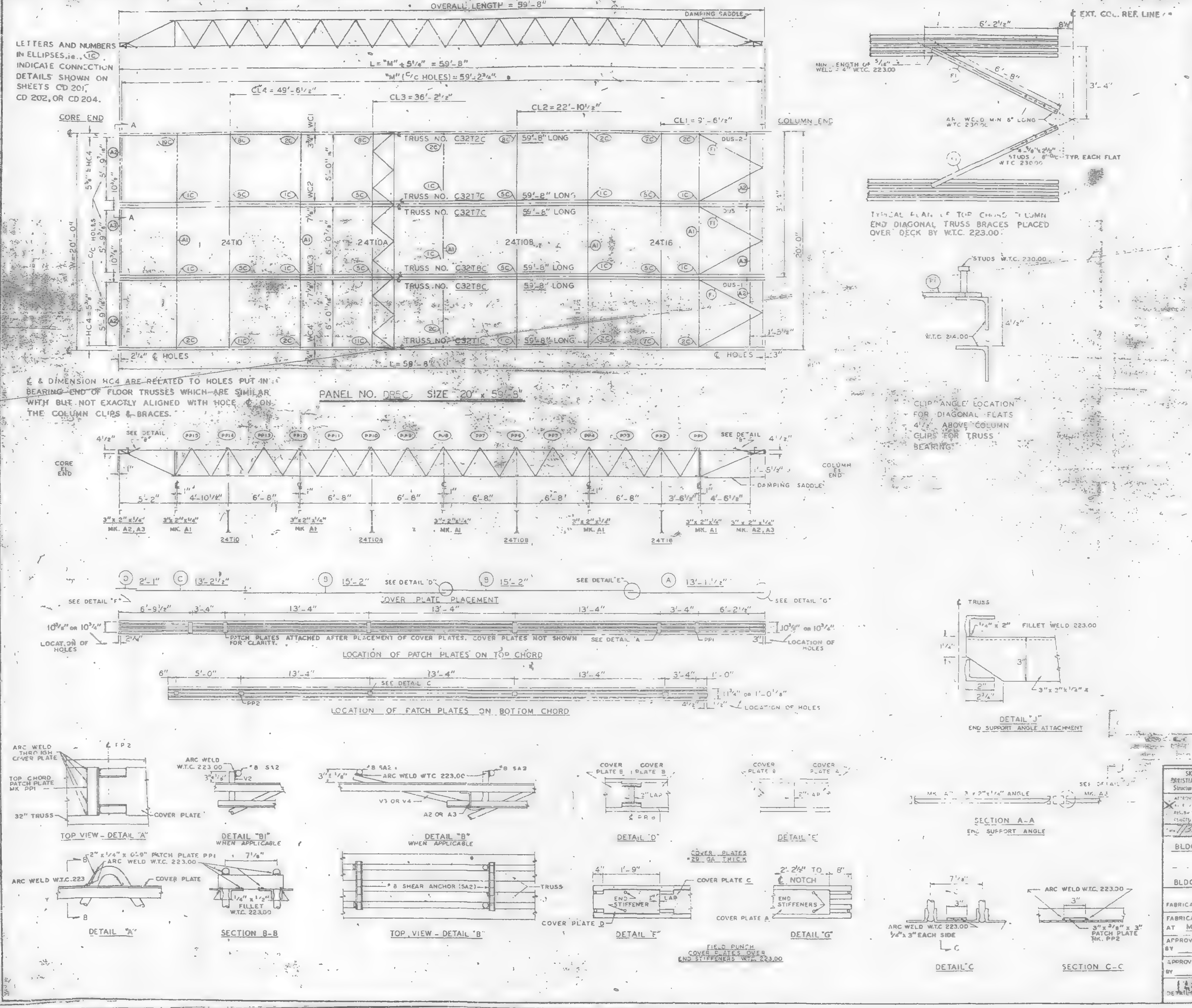
7-AB2-5 & 11	7-22-68
7-AB3-71	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SP-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80 (NORTH)
PANEL D5H - 20' x 58'-8"
BLDG. B FLOORS 79-80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-71	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY gdc DATE JAN 14, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: RICHARD WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D5H



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2"x 1/4" ANGLE	A	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	8	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 13'-2 1/2"	ST 303
	D	3	9"x .0135"x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P3	[illegible]	4 1/2"x .39"x 1'-0"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-[illegible]-69
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED / X APPROVED AS NOTED / RESUBMIT / REJECTED
7/31/69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79 (SOUTH) 79 (SOUTH)

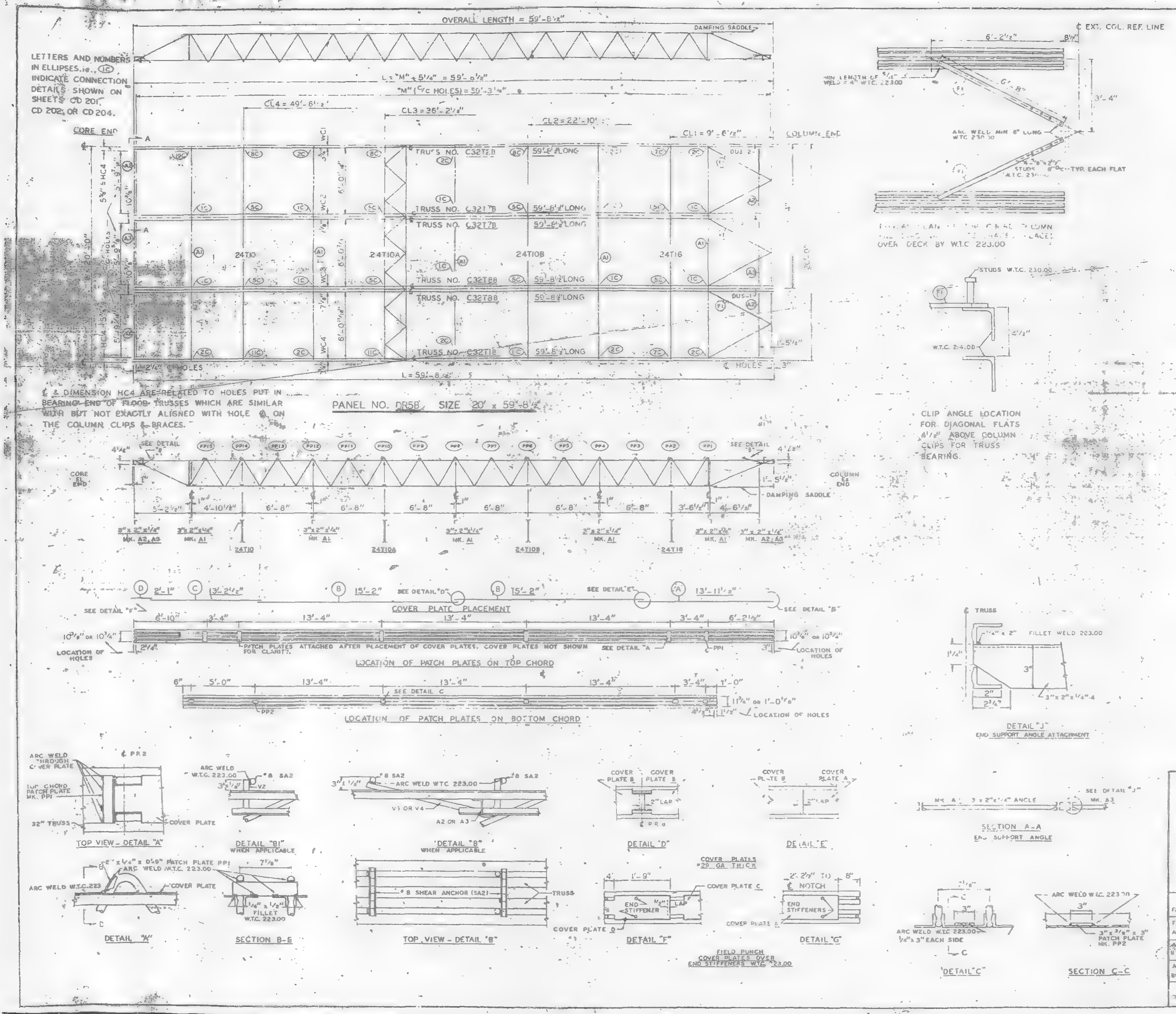
PANEL DR5C - 20' x 59'-8"

BLDG. B FLOORS 79 (EAST) 79 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING & NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE	CHECKED BY: T.M. CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP DR5C

WTC1-131-LERA



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8½"	ST 201B
	T2B	1	C32T2B 59'-8½"	ST 202B
	T7B	2	C32T7B - 59'-8½"	ST 207B
	T8B	2	C32T8B - 59'-8½"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3"x 2" x ¼" ANGLE	A	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
DIAGONAL FLATS	F1	6	[illegible]	ST 402
PATCH PLATES	PP1	18	2" x ¼" x [illegible]	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-[illegible]	ST 303
	C	3	9" x .0135" x 13'-[illegible]	ST 303
	D	3	9" x .0135" x 2'-[illegible]	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298a
CONNECTION BAR	CB1	4	1" ø x 1 - 3"	ST 400
	CB4	8	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	8½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-8"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ⅛" x 1" FULL THROAT FILLET.

A = ⅛"
B = ⅛"

NO.	DATE	REVISION	BY

REF. DRWGS.

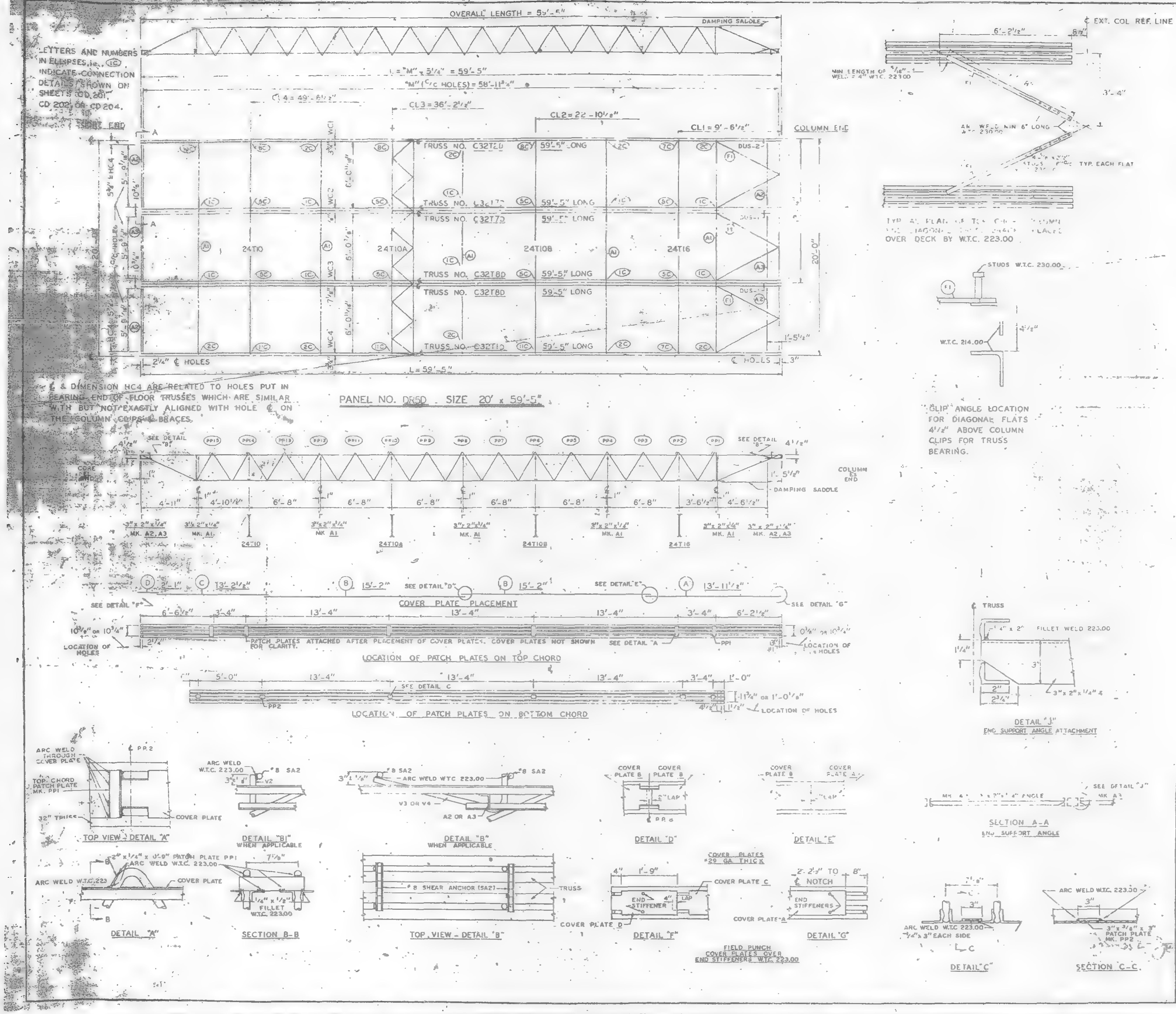
7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AJ1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83 (NORTH)
PANEL DR5B - 20' x 59'-8½"
BLDG. B FLOORS 83 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A. CARL WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO. FP DR5B



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1D	1	C32T1D - 59'-5"	ST 201D
	T2D	1	C32T2D - 59'-5"	ST 202D
	T7D	2	C32T7D - 59'-5"	ST 207D
	T8D	2	C32T8D - 59'-5"	ST 208D
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-1 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1 5/8"	ST 403
[illegible]	[illegible]	6	[illegible] x 5/8" x 6'-8"	ST 402
[illegible]	PP1	18	2" x 1/4" x 0'-[illegible]"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
[illegible]	A	3	9" x 0135 x 3'-11 1/2"	ST 303
	B	6	9" x 0135" x 15'-2"	ST 303
	C	3	9" x 0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-[illegible]"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

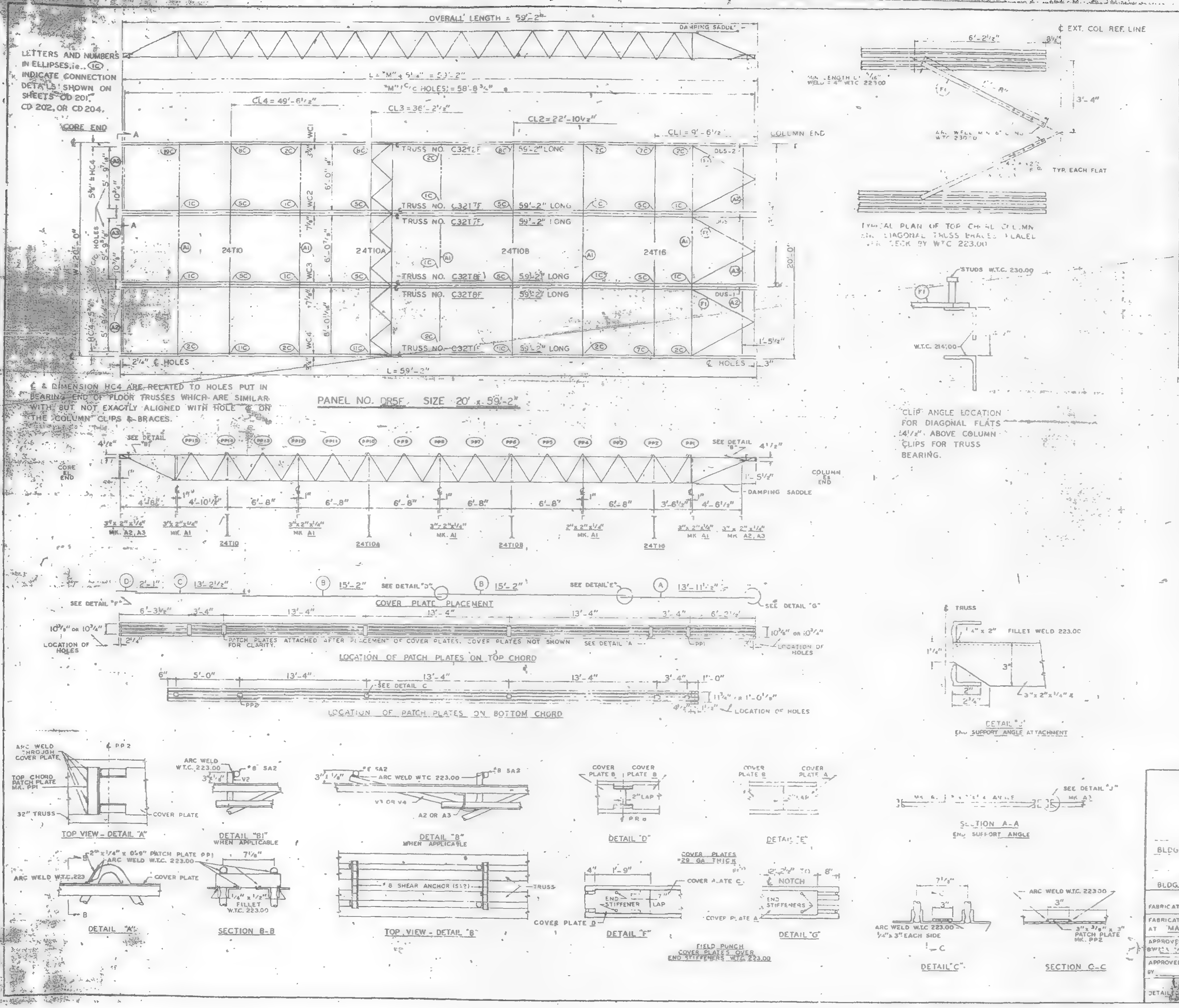
7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81 & 82 (NORTH)
PANEL DR5D - 20' x 59'-5"
BLDG. B FLOORS 81 & 82 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION FOR PONYA. DATE 7/31/69	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. DATE	CHECKED BY: T.M. CHURA DATE JAN. 14, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: CARL WEBER	FABRICATION CONT. NO. W.T.C. 8221	SHEET NO. FP DR5D



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T1F	1	C32T1F - 59'-2"	ST 201F
	T2F	1	C32T2F - 59'-2"	ST 202F
	T7F	2	C32T7F - 59'-2"	ST 207F
	T8F	2	C32T8F - 59'-2"	ST 208F
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	BT 210
	T10A	1	24T10A - 19'-11"	BT 210A
	T10B	1	24T10B - 19'-11"	BT 210B
	T16	1	24T16 - 19'-11"	BT 216
3"x 2" x 1/4" ANGLES	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	[illegible] x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
DIAGONAL FLATS	F1	6	[illegible] x 5/8" x 8'-8	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-3"	ST 400
	PP2	18	[illegible] x 3/2" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11 1/2"	ST 303
	B	8	9" x 0135" x 15'-2"	ST 303
	C	3	9" x 0135" x 13'-2 1/2"	ST 303
	D	3	9" x 0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9 5/8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO	DATE	REVISION	BY

REF. DRWGS.

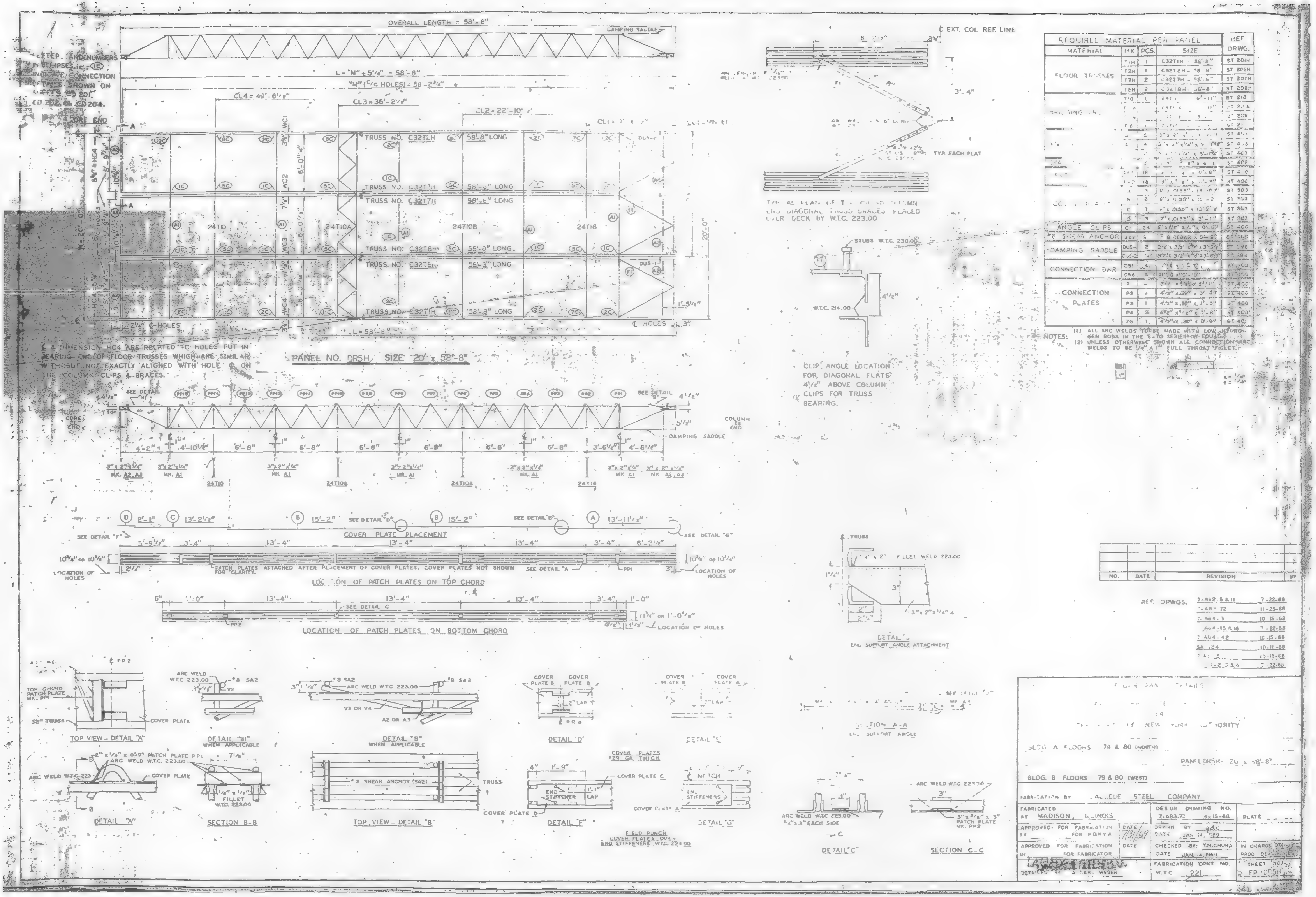
7-AB2-5 & 11	7-22-68
7-AB3-72	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

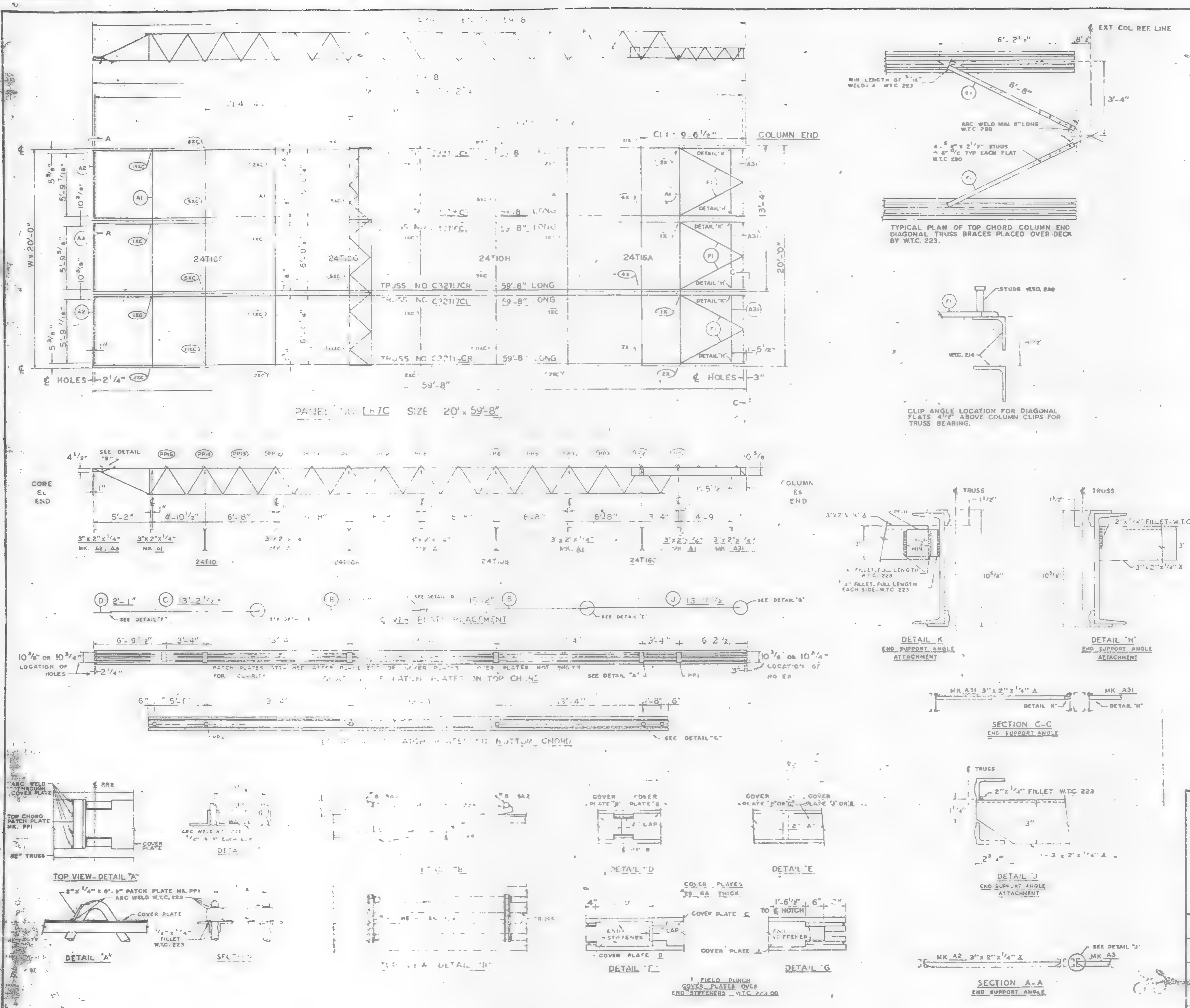
BLDG. A FLOORS 47 & 48 (SOUTH)
PANEL DR5F - 20' x 59'-2"
BLDG. B FLOORS 47 & 48 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3-72 4-15-68	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN. 14, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 14, 1969	IN CHARGE OF: PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP DR5F

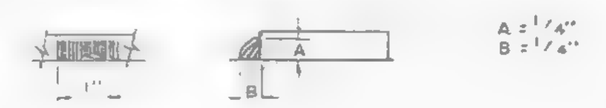


OVERALL LENGTH = 58'-8"
DAMPING SADDLE
L = "M" + 5 1/4" = 58'-8"
"M" (C/C HOLES) = 58'-2 3/4"
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10"
TRUSS NO. C32T2H 58'-8" LONG
TRUSS NO. C32T1H 58'-8" LONG
TRUSS NO. C32T7H 58'-8" LONG
TRUSS NO. C32T8H 58'-8" LONG
24T10
24T10A
24T10B
24T16
C HOLES
PANEL NO. DR5H SIZE 20' x 58'-8"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
EXT. COL REF. LINE
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COLUMN END
CORE END
FILLET WELD 223.00
DETAIL "J"
REQUIRED MATERIAL PER PANEL
MATERIAL
MK
PCS.
SIZE
REF DRWG.
FLOOR TRUSSES
ANGLE CLIPS
#8 SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
NO.
DATE
REVISION
BY
REF. DRWGS.
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
SECTION A-A
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
COVER PLATES #29 GA. THICK
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
#8 SHEAR ANCHOR (SA2)
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 79 & 80 (NORTH)
PANEL DR5H 20' x 58'-8"
BLDG. B FLOORS 79 & 80 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-72 4-15-68
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
DRAWN BY
DATE JAN 14, 1969
APPROVED FOR FABRICATION FOR FABRICATOR
CHECKED BY: T.M.CHURA
DATE JAN. 14, 1969
DETAILED BY A CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-DR5H



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14CR	1	C32T14CR x 59'-8"	ST 214CL
	T15CL	1	C32T15CL x 59'-8"	ST 215CL
	[illegible]	1	[illegible]	ST 216CL
	[illegible]	1	[illegible]	
	[illegible]	1	[illegible]	ST 217CL
	[illegible]	1	C32T17CR x 59'-8"	
BRIDGING TRUSSES	T10F	1	24T10F x 19'-11"	BT 210F
	T10G	1	24T10G x 19'-11"	BT 210G
	T10H	1	24T10H x 19'-11"	BT 210H
	T16A	1	24T16A x 19'-11"	BT 216A
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-1"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A3	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF1	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	5	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF DRWG.

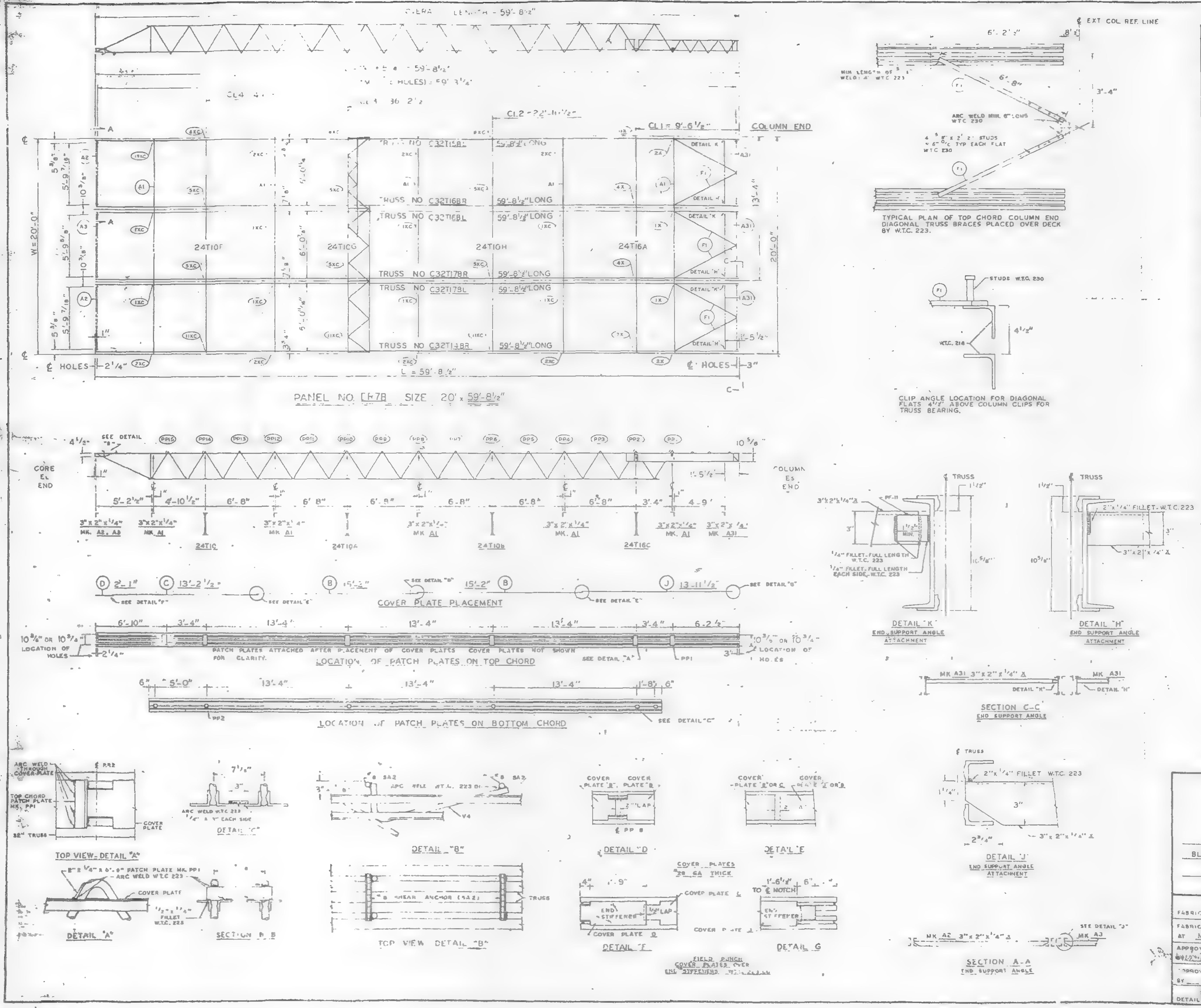
7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

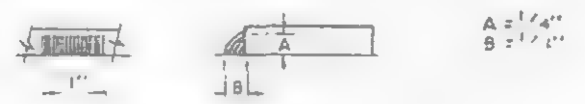
PANEL DR7C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATE AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY ____ FOR P O N Y A — DATE 6/6/69
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR — DATE
DETAILED ____
DESIGN DRAWING NO 7-AB3-31 — PLATE ____
DRAWN BY [signature] — DATE MAY 8, 1969
CHECKED BY T.M. CHURA — DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
FABRICATION CONT NO W.T.C. 221
SHEET NO FP DR7C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14BR	1	C32T14BR x 59'-8 1/2"	ST 214BL
	T15BL	1	C32T15BL x 59'-8 1/2"	ST 215BL
	T16BL	1	C32T16BL x 59'-8 1/2"	ST 216BL
	T16BR	1	C32T16BR x 59'-8 1/2"	
	T17BL	1	C32T17BL x 59'-8 1/2"	ST 217BL
	T17BR	1	C32T17BR x 59'-8 1/2"	
BRIDGING TRUSSES	T10F	1	24T10F x 19'-11"	BT 210F
	T10G	1	24T10G x 19'-11"	BT 210G
	T10H	1	24T10H x 19'-11"	BT 210H
	T16A	1	24T16A x 19'-11"	BT 216A
3" x 2" x 1/4" ANGLE	A	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6A	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF DRWG.

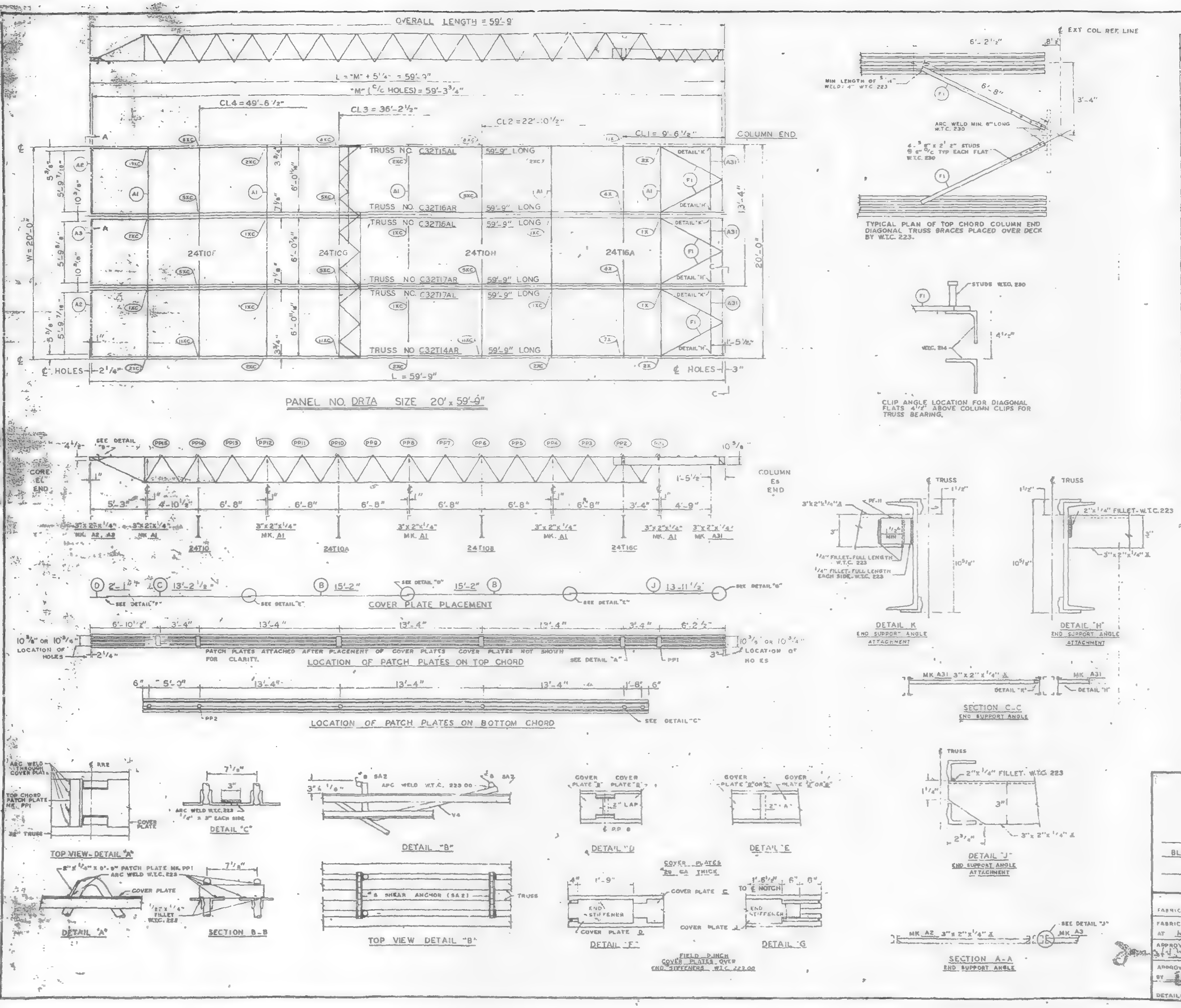
7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 92 (WEST)

PANEL CR7B - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-31 PLATE
APPROVED FOR FABRICATION [illegible] FOR P. N. Y. A. DATE 6/6/69
DRAWN BY [illegible] DATE MAY 6, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP CR7B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AR	1	C32T14AR x 59'-9"	ST 214AL
	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T16AL	1	C32T16AL x 59'-9"	ST 216AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x 59'-9"	
BRIDGING TRUSSES	T10F	1	24T10F x 19'-11"	BT 210F
	T10G	1	24T10G x 19'-11"	BT 210G
	T10H	1	24T10H x 19'-11"	BT 210H
	T16A	1	24T16A x 19'-11"	BT 216A
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	[illegible]	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	8	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF DRWG.

7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL DR7A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-31 PLATE:

APPROVED FOR FABRICATION FOR PONYA DATE 6/6/69

DRAWN BY [illegible] DATE MAY 8, 1969

APPROVED FOR FABRICATION BY [illegible] DATE

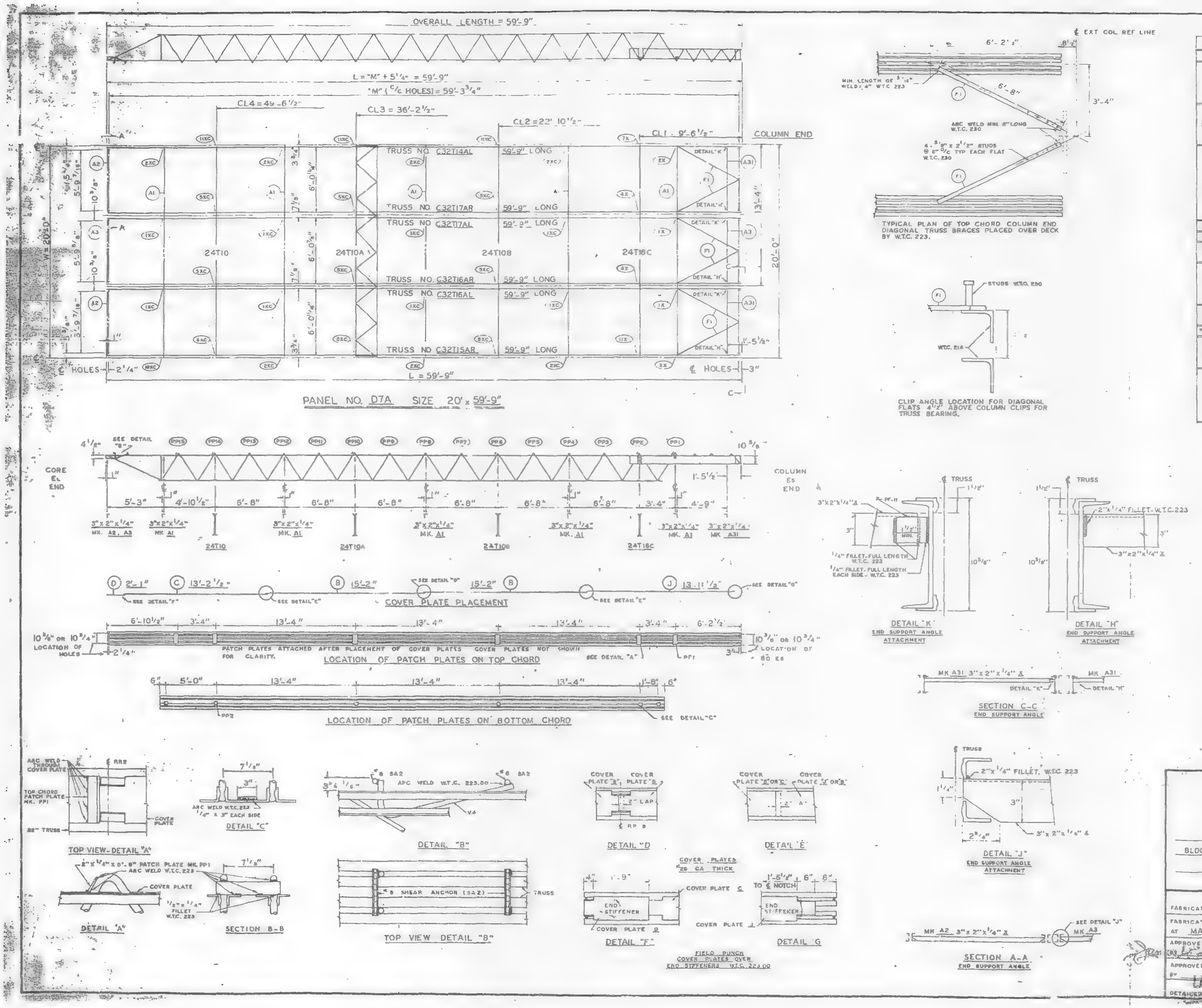
CHECKED BY T.M. CHURA DATE MAY 8, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT NO W.T.C. 221

SHEET NO FP DR7A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	1	C32T14AL x 59'-9"	ST 214AL
	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	T16AL	1	C32T16AL x 59'-9"	ST 216AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x 59'-9"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210
	T10A	1	24T10A x 19'-11"	BT 210A
	T108	1	24T108 x 19'-11"	BT 2108
	T16C	1	24T16C x 19'-11"	BT 216C
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-1"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 3/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-9 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	8	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

7-A83-30	10-4-68
7-A84-28	7-22-68
7-A81-13	10-4-68
7-A81-14, 15 & 16	10-4-68
7-A82-13	10-4-68
7-A82-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL D7A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-A83-30 PLATE

APPROVED FOR FABRICATION ... FOR P.O.N.Y.A. DATE 6/6/69

DRAWN BY [illegible] DATE MAY 8, 1969

APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE

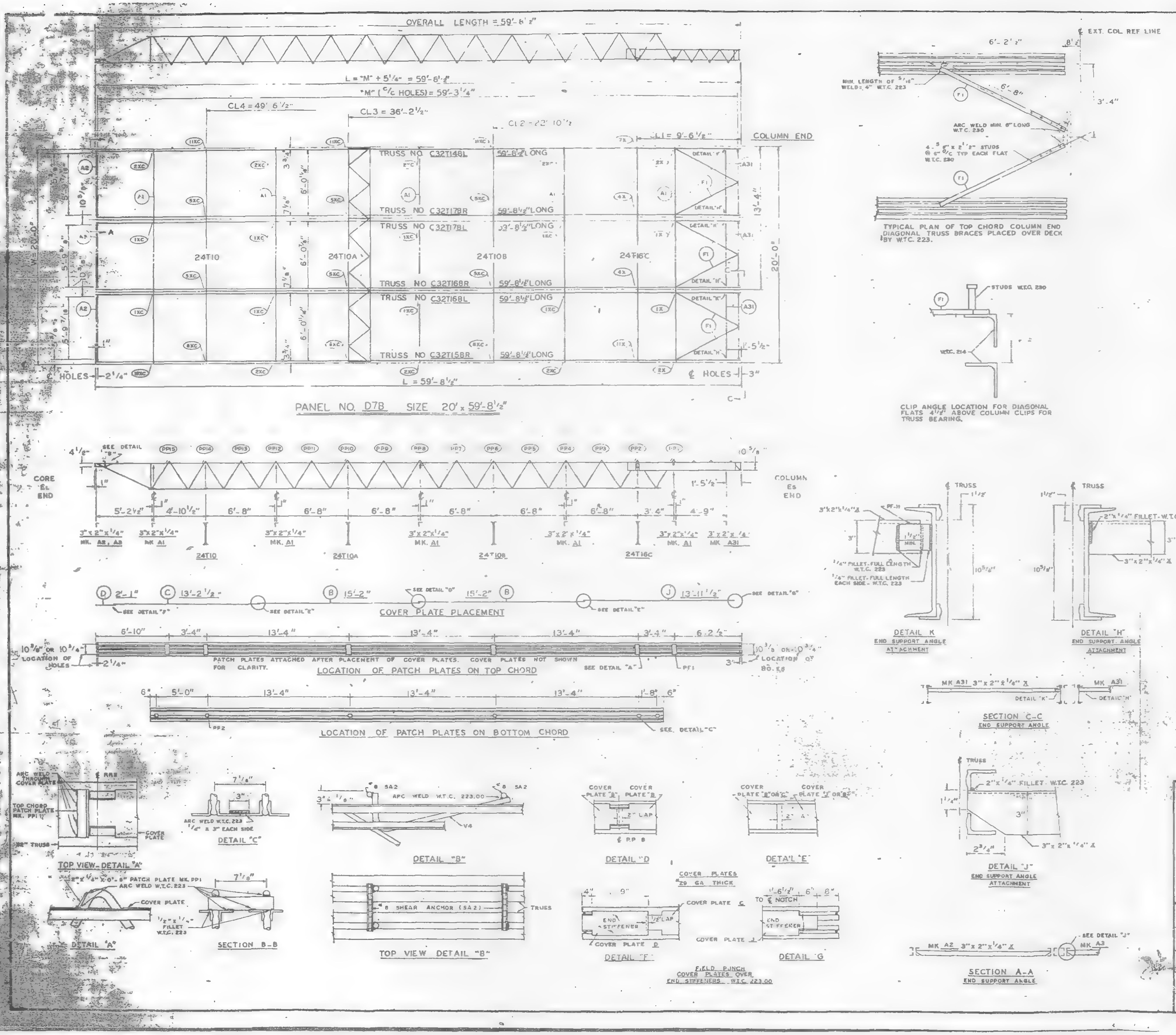
CHECKED BY T.N. CHURA DATE MAY 8, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY LACLEDE STEEL CO. A. C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP D7A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	1	C32T14BL x 59'-8 1/2"	ST 214BL
	T15BR	1	C32T15BR x 59'-8 1/2"	ST 215BL
	T16BL	1	C32T16BL x 59'-8-1/2"	ST 216BL
	T16BR	1	C32T16BR x 59'-8-1/2"	
	T17BL	1	C32T17BL x 59'-8-1/2"	ST 217BL
	T17BR	1	C32T17BR x 59'-8-1/2"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210
	T10A	1	24T10A x 19'-11"	BT 210A
	T10B	1	24T10B x 19'-11"	BT 210B
	T16C	1	24T16C x 19'-11"	BT 216C
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF 11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	8	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-30	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 92 (WEST)

PANEL D7B - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-30 PLATE

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 6/6/69

DRAWN BY [illegible] DATE MAY 8, 1969

APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE

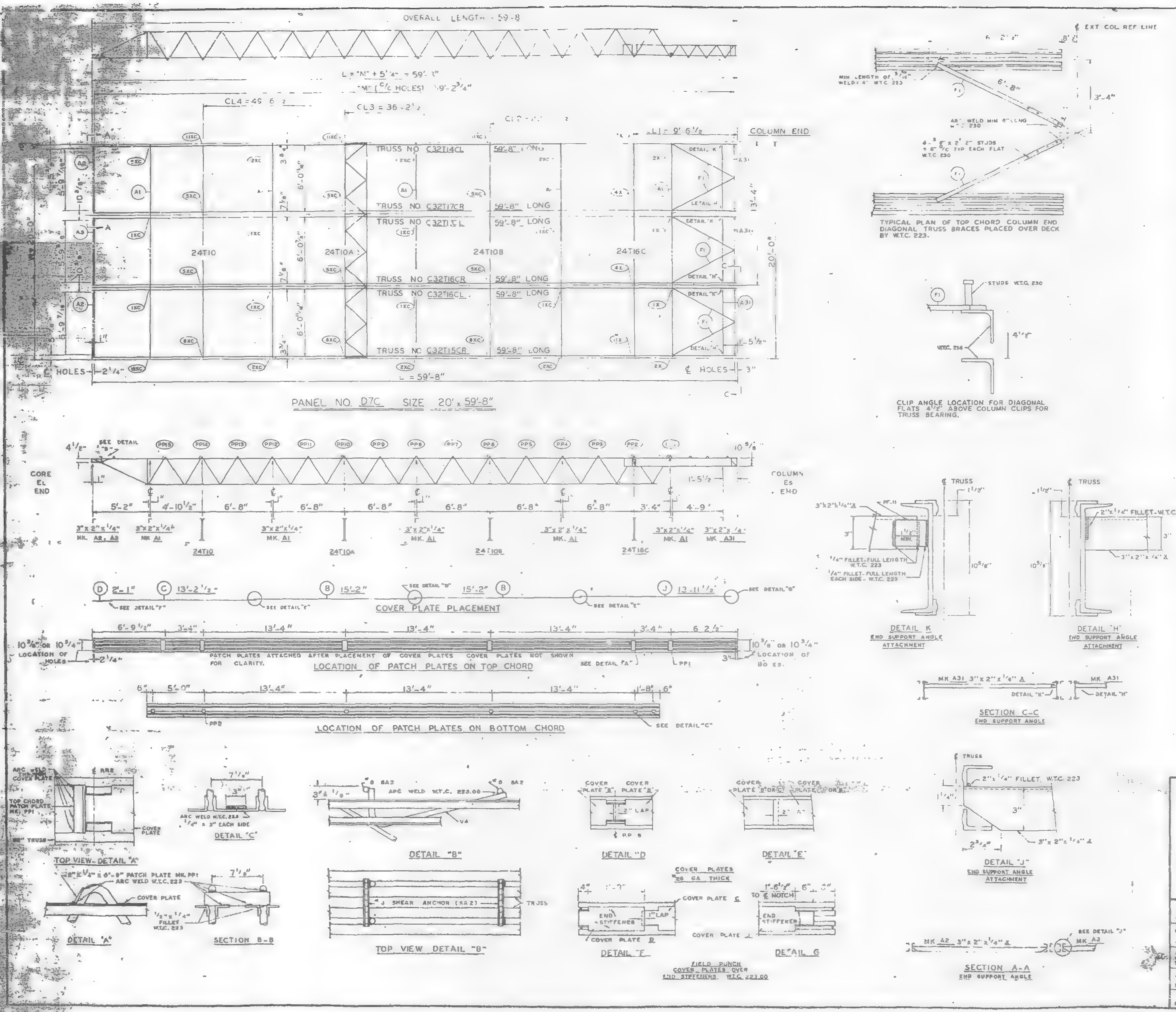
CHECKED BY T.M. CHURA DATE MAY 8, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A. C. WEBER

FABRICATION CONT NO W.T.C. 221

SHEET NO FP D7B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T14BL		C32T14BL x 59'-8"	ST 214BL
	T15BR	1	C32T15BR x 59'-8"	ST 215BL
	T16BL	1	C32T16BL x 59'-8"	ST 216BL
	T16BR	1	C32T16BR x 59'-8"	
	T17BL	1	C32T17BL x 59'-8"	ST 217BL
	T17BR	1	C32T17BR x 59'-8"	
BRIDGING TRUSSES	T10		24T10 x 19'-11"	BT 210
	T10A		24T10A x 19'-11"	BT 210A
	T10B	1	24T10B x 19'-11"	BT 210B
	T16C		24T16C x 19'-11"	BT 216C
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4" x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 [illegible]"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	[illegible]	3	3" x [illegible] 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	[illegible] x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	[illegible]	4 1/2" x .39" x 0'-2"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO	DATE	REVISION	BY

REF DRWG.

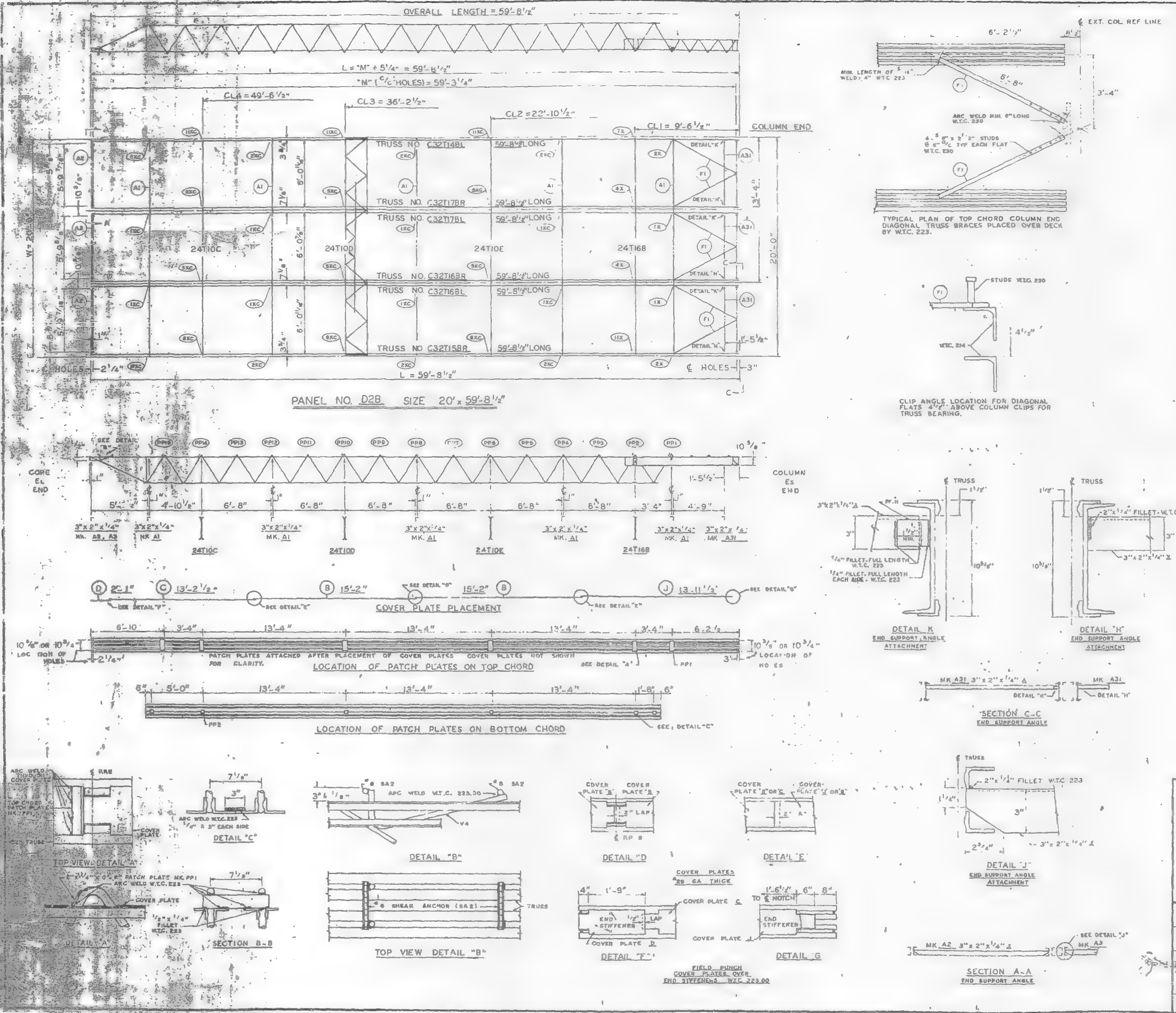
7-AB3-30	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SB-124	3-24-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

PANEL D7C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-30 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [illegible] DATE MAY 8, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP D7C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	M.K.	PCS.	SIZE	
FLOOR TRUSSES	T14BL	1	C32T14BL x 59'-8 1/2"	ST 214BL
	T15BR	1	C32T15BR x 59'-8 1/2"	ST 215BL
	T16BL	1	C32T16BL x 59'-8 1/2"	ST 216BL
	T16BR	1	C32T16BR x 59'-8 1/2"	
	T17BL	1	C32T17BL x 59'-8 1/2"	ST 217BL
	T17BR	1	C32T17BR x 59'-8 1/2"	
BRIDGING TRUSSES	T10C	1	24T10C x 19'-11"	BT 210C
	T10D	1	24T10D x 19'-11"	BT 210D
	T10E	1	24T10E x 19'-11"	BT 210E
	T16B	1	24T16B x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3"x 1/4"x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	16	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 13'-2 1/2"	ST 303
	D	3	9"x .0135"x 2'-1"	ST 303
	J	3	9"x .0135"x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	5	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401
	P9	6	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

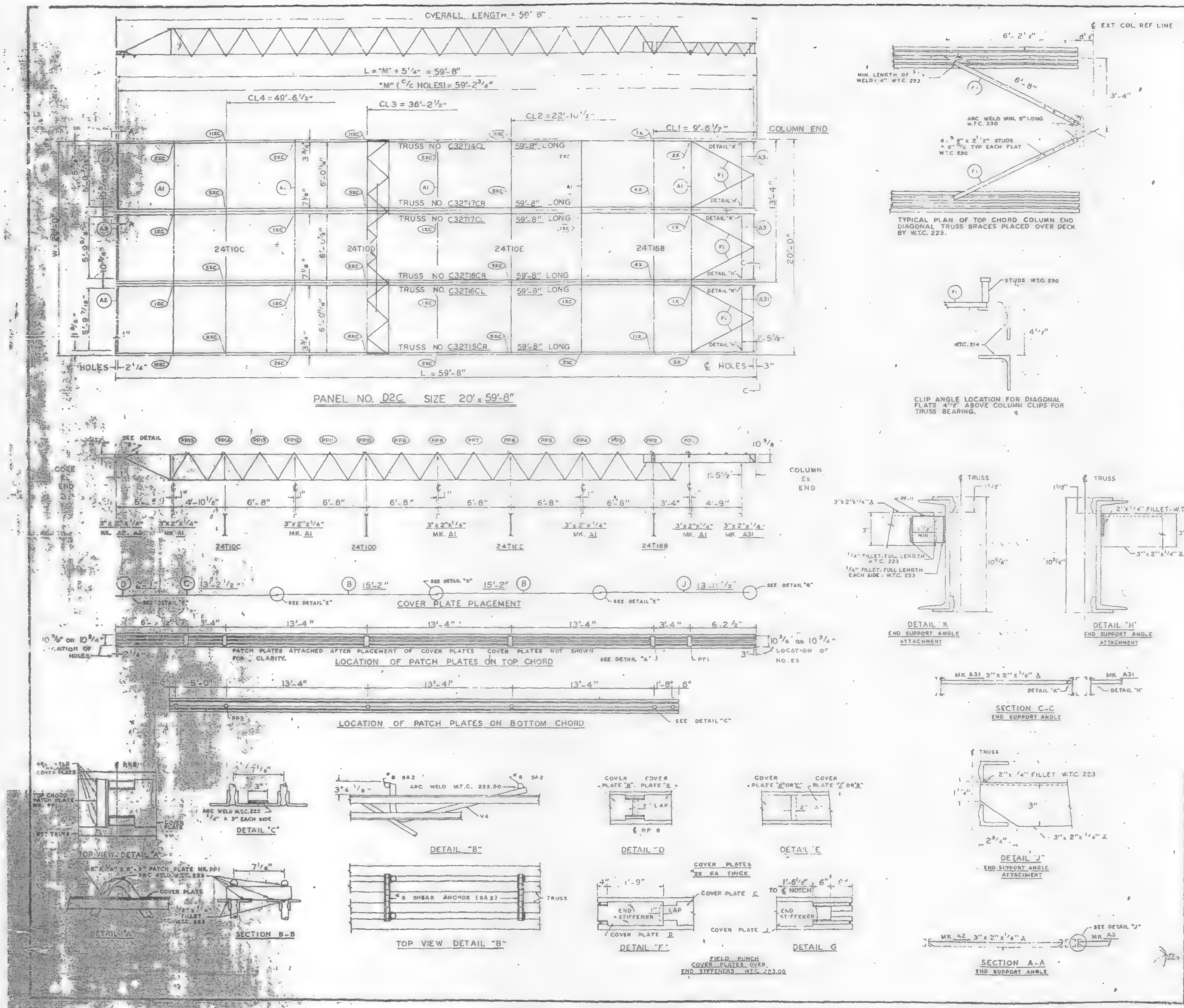
REF DRWG.		
	7-AB3-30	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB1-14, 15 & 16	10-4-68
	7-AB2-13	10-4-68
	7-AB2-17	10-4-68
	SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL D2B - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-30 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE 6/6/69
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBL
FABRICATION CONT NO W.T.C. 221
SHEET NO FP D2B



REQUIRED MATERIAL: PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T14CL	1	C32T14CL x 59'-8"	ST 214CL
	T15CR	1	C32T15CR x 59'-8"	ST 215CL
	T16CL	1	C32T16CL x 59'-8"	ST 216CL
	T16CR	1	C32T16CR x 59'-8"	
	T17CL	1	C32T17CL x 59'-8"	ST 217CL
	T17CR	1	C32T17CR x 59'-8"	
BRIDGING TRUSSES	T10C	1	24T10C x 19'-11"	BT 210C
	T10D	1	24T10D x 19'-11"	BT 210D
	T10E	1	24T10E x 19'-11"	BT 210E
	T16B	1	24T16B x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P4	3	6 1/2"x 1/2"x 0'-8"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401
	P9	6	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF DRWG.

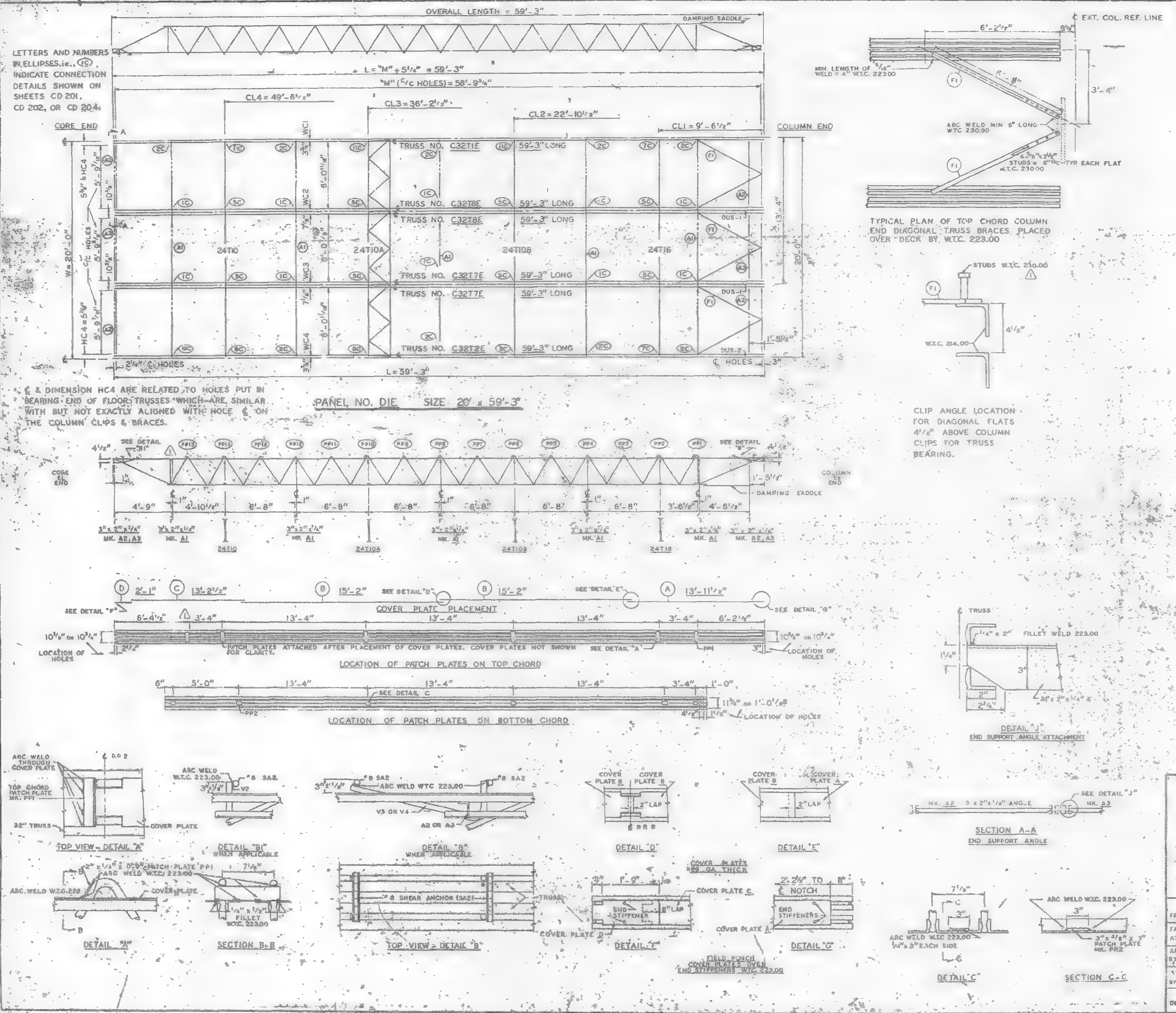
7-AB3-30	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL D2C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-30 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA — DATE 6/6/69
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
LACLEDE STEEL CO.
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.G. WEBER
FABRICATION CONT NO W T C. 221
SHEET NO FP D2C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1E	1	C32T1E - 59'-3"	ST 201E
	T2E	1	C32T2E - 59'-3"	ST 202E
	T7E	2	C32T7E - 59'-3"	ST 207E
	T8E	2	C32T8E - 59'-3"	ST 208E
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4" x 5'-11 7/8"	ST 403
	A3	2	3"x 2"x 1/4" x 5'-11 7/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2"x 1 1/2" x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2" x 3/8"x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1 - 3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	8-9-69	AS NOTED	G.D.C.

REF. DRWGS.
7-AB2-5 & 11 — 7-22-68
7-AB3-9 — 10-15-68
7-AB4-3.1 — 1-3-69
7-AB4-15 & 16, 39 — 7-22-68
(1) 7-AB4-3 & 42 — 10-15-68
9A-124 — 1-6-69
7-AB1-2, 3 & 4 — 7-22-68
7-AB1-3, 4 & 5 — 10-15-68

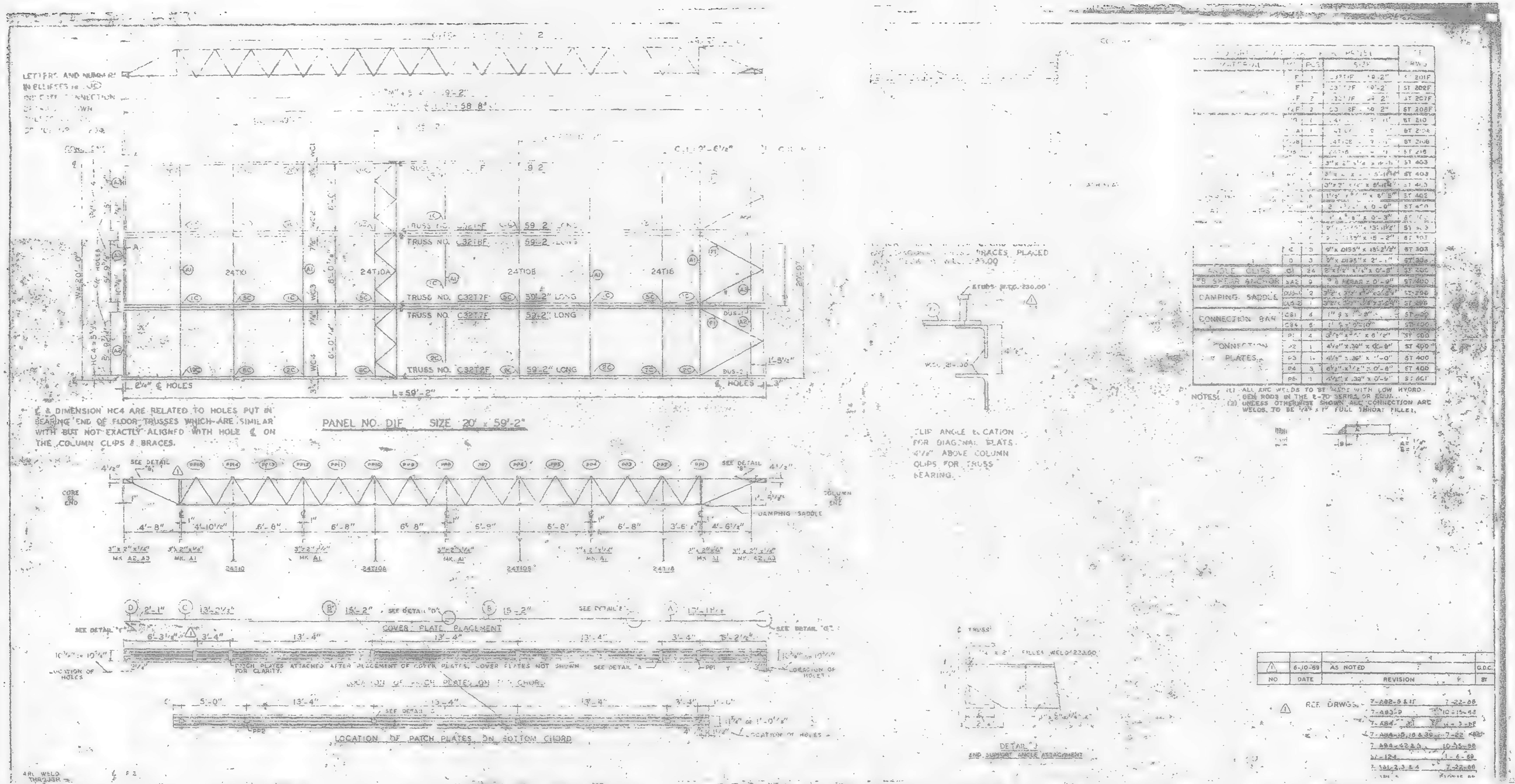
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

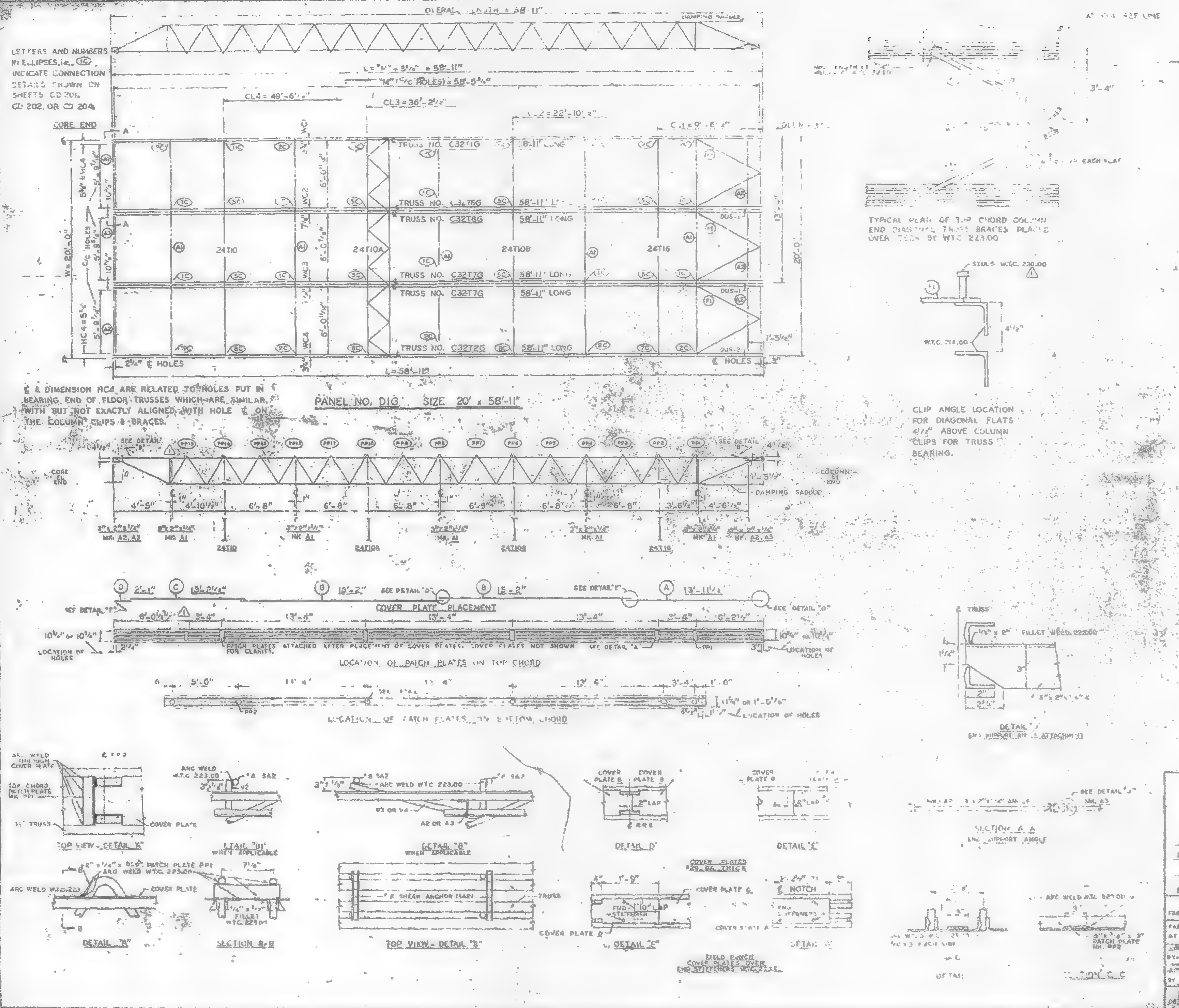
BLDG. A FLOORS 10-11 (NORTH & SOUTH)

PANEL DIE - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-9 — 4-15-68	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. — DATE [illegible]	DRAWN BY: g.d.c. DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE	CHECKED BY T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-DIE


PANEL NO. D1F SIZE 20' x 59'-2"
TRUSS NO. C3217F 59'-2" LONG
TRUSS NO. C3218F 59'-2" LONG
L=59'-2"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
6-10-69 AS NOTED
NO DATE REVISION BY
REF. DRWGS.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1G	1	C32T1G - 58'-11"	ST 201G
	T2G	1	C32T2G - 58'-11"	ST 202G
	T7G	2	C32T7G - 58'-11"	ST 207G
	T8G	2	C32T8G - 58'-11"	ST 208G
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 19'-11"	ST 210A
	T10B	1	24T10B - 19'-11"	ST 210B
	T16	1	24T16 - 19'-11"	ST 216
[illegible] ANGLE	A1	5	[illegible]	ST 403
	A2	4	3" x 2" x ¼" x 5'-[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]	ST 403
[illegible]	F1	6	[illegible] x 8'-8"	ST 402
[illegible] PLATES	[illegible]	18	2" x [illegible] x 0'-9"	ST 400
	[illegible]2	8	[illegible] x 0'-3"	ST 400
COVER PLATES	A	[illegible]	[illegible] x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	[illegible] x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-[illegible]	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DS-1	2	[illegible] x 3½" x ⅜" x [illegible]	ST 298
	DS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CS1	4	1" ∅ x 1'-3"	ST 404
	[illegible]	8	1" ∅ x 0'-10"	ST 400
CONNECTION PLATES	P1	[illegible]	[illegible]	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	[illegible]	1	4½" x .39" x [illegible]-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x [illegible]	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ½" x 1" FULL THROAT FILLET.

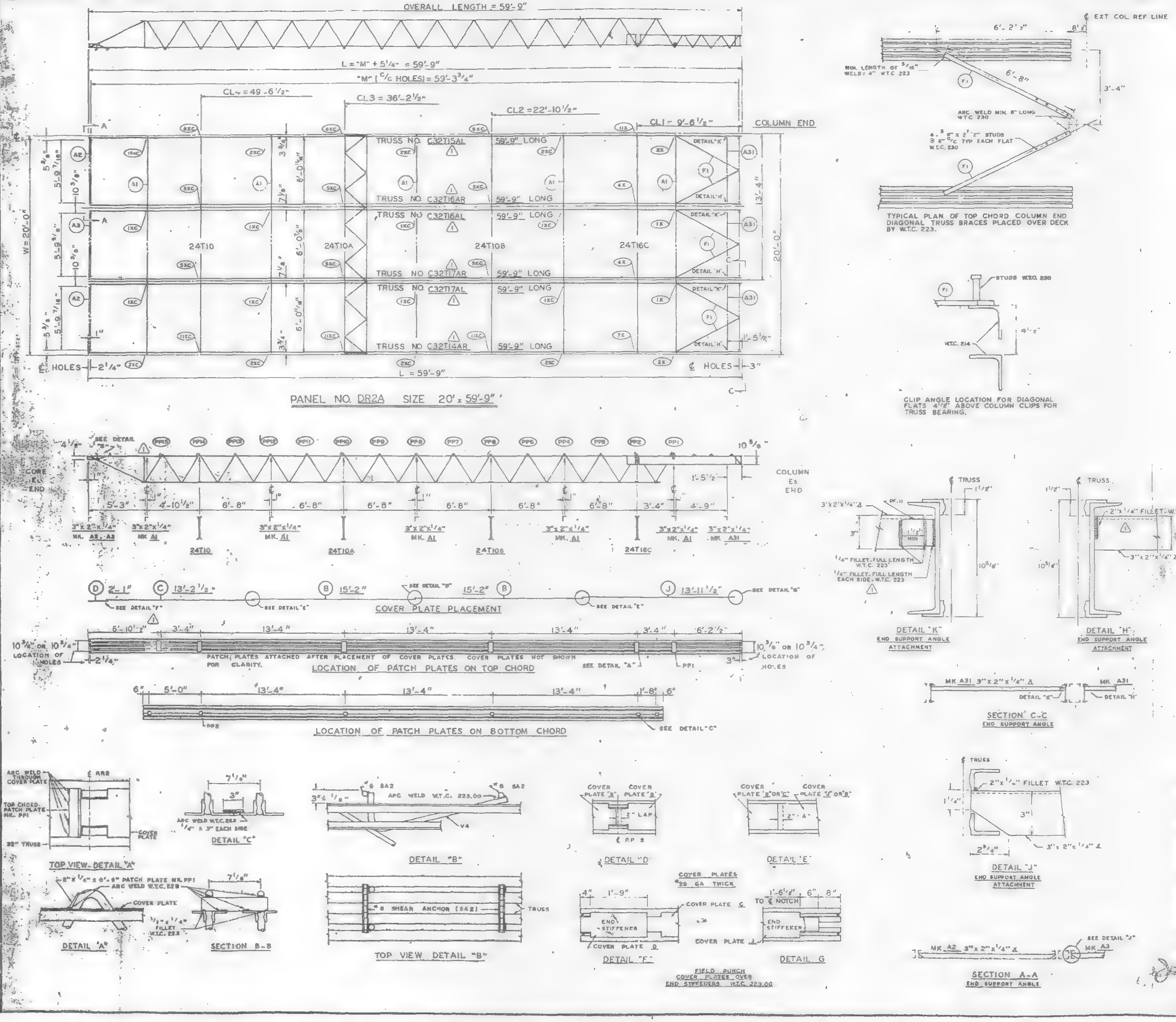
NO.	DATE	REVISION	BY
1	6-10-69	AS NOTED	GDC

REF. DRWGS.:
7-A8B-3 [illegible] 7-23-68
7-A83-9 10-15-68
7-A94-[illegible] [illegible]
7-A84-15, 16 & 39 7-22-68
7-A84 47 & 3 10-15-68
[illegible]-124 1-8-69
[illegible]-101-2,3 & 4 7-22-68
7-[illegible]01-5 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

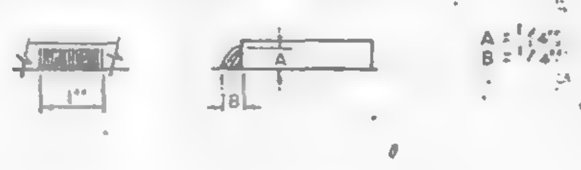
BLDG. A FLOORS 39-40 (N&S)
PANEL DIG - 20' x 58'-11"
BLDG. B FLOORS 39-40 (EAST & WEST)

FABRICATION BY [illegible] STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. [illegible]
APPROVED FOR FABRICATION BY [illegible] FOR [illegible] DATE 1/2/70
DRAWN BY [illegible] DATE OCT. 24, 1968
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY: [illegible] DATE OCT. 24, 1968
IN CHARGE OF PROD. [illegible]
LACLEDE STEEL CO.
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 22[illegible]
SHEET NO. [illegible] DIG



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES ⚠1	T14AR	1	C32T14AR x 59'-9"	ST 214AL
	T15A	1	C32T15AL x 59'-9"	ST 215AL
	T16AL	1	C32T16AL x 59'-9"	ST 216AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x 59'-9"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210C
	T10A	1	24T10A x 19'-11"	BT 210D
	T10B	1	24T10B x 19'-11"	BT 210E
	T16C	1	24T16C x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	5	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
⚠2	5-12-69	REF. DRWG.	G.D.C
⚠	2-4-69	AS NOTED	G.D.C

REF. DRWG.

	7-AB3-31	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB1-14, 15 & 16	10-4-68
⚠2	7-AB2-5	7-22-68
	7-AB2-17	10-4-68
	SA-124	10-11-68

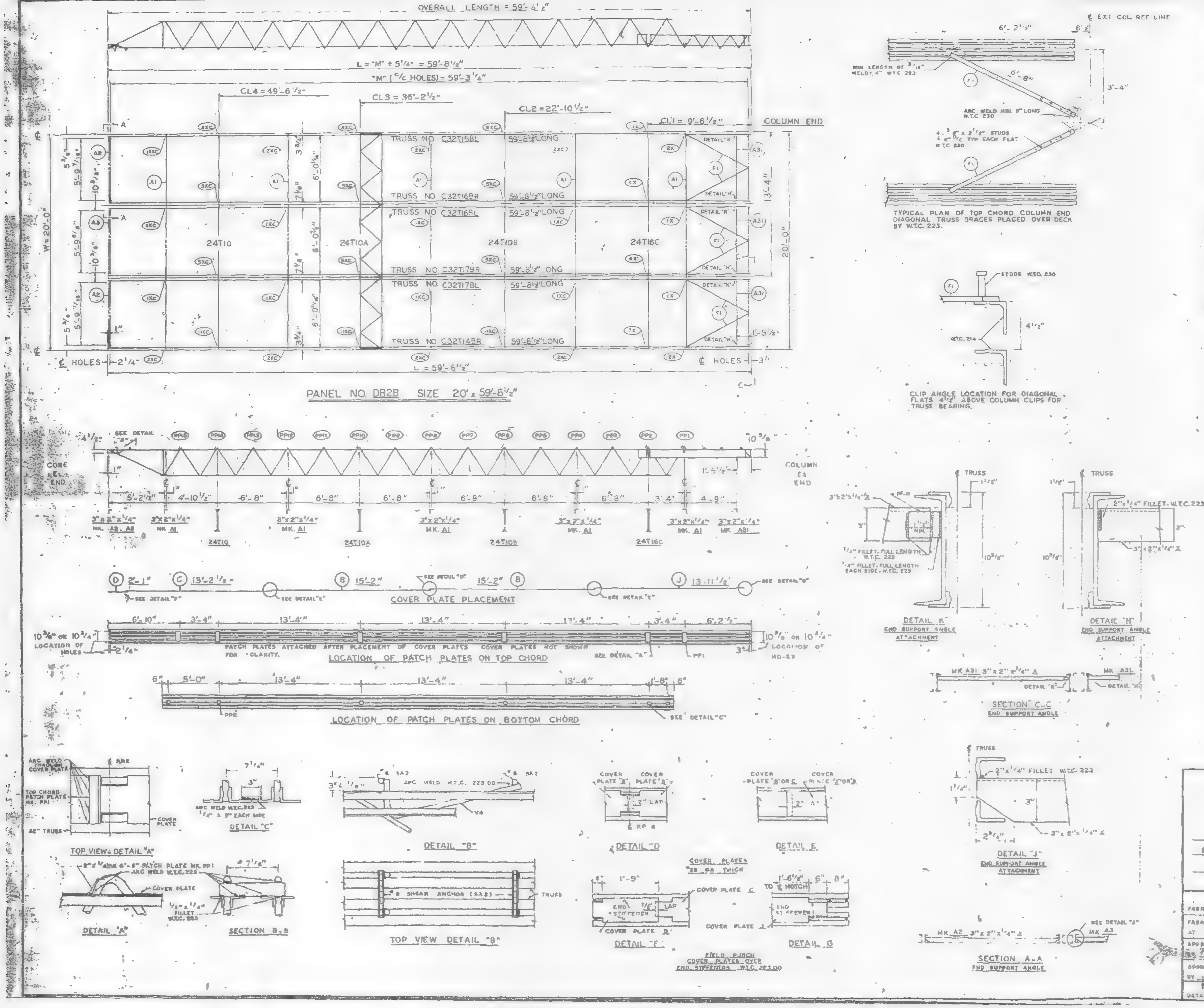
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL DR2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-31 PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA DATE 6/6/69
DRAWN BY [initials] DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP DR2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14BR	1	C32T14BR x 59'-8½"	ST 214BL
	T15BL	1	C32T15BL x 59'-8½"	ST 215BL
	T16BL	1	C32T16BL X 59'-8-1/2"	ST 216BL
	T16BR	1	C32T16BR X 59'-8-1/2"	
	T17BL	1	C32T17BL X 59'-8-1/2"	ST 217BL
	T17BR	1	C32T17BR X 59'-8-1/2"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210C
	T10A	1	24T10A x 19'-11"	BT 210D
	T10B	1	24T10B x 19'-11"	BT 210E
	T16C	1	24T16C x 19'-11"	BT 216B
3"x 2"x ¼" ANGLE	A1	5	3"x 2"x ¼"x 19'-11"	ST 403
	A2	2	3"x 2"x ¼"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x ¼"x 5'-11¾"	ST 403
	A31	3	3"x 2"x ¼"x 5'-8⅛"	ST 410
CLOSURE PLATES	PF 11	3	3"x ¼" x 0'-2⅜"	ST 412
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x ¼" x 0'-9"	ST 400
	PP2	18	3"x ⅜" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2½"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11½"	ST 304
ANGLE CLIPS	C1	24	2"x 1½"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3½"x ⅜"x 0'-6½"	ST 400
	P2	1	4½"x .39"x 0'-9"	ST 400
	P4	3	6½"x ½"x 0'-8"	ST 400
	P6	1	4½"x .39"x 0'-9"	ST 401
	P9	6	3"x ½"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x ¼" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

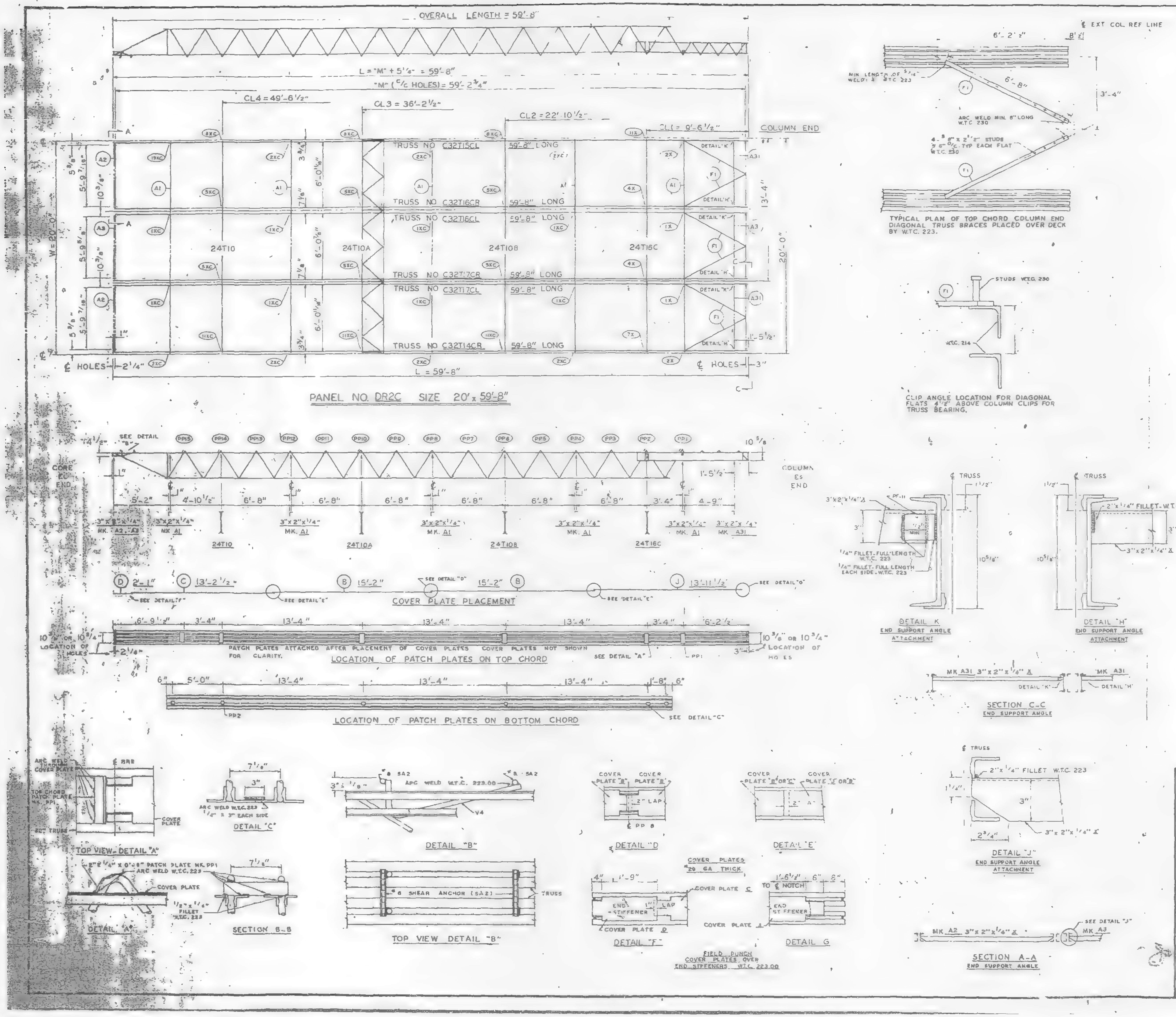
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS (NORTH)

PANEL DR2B - 20' x 59'-8½"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-31	PLATE
APPROVED FOR FABRICATION BY FOR PONYA	DATE 6/6/69	DRAWN BY DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATORS	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W T C 221	SHEET NO FP DR2B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CR	1	C32T14CR x 59'-8"	ST 214CL
	T15CL	1	C32T15CL x 59'-8"	ST 215CL
	T16CL	1	C32T16CL x 59'-8"	ST 216CL
	T16CR	1	C32T16CR x 59'-8"	
	T17CL	1	C32T17CL x 59'-8"	ST 217CL
	T17CR	1	C32T17CR x 59'-8"	
BRIDGING TRUSSES	T10	1	24T10 x 19'-11"	BT 210C
	T10A	1	24T10A x 19'-11"	BT 210D
	T10B	1	24T10B x 19'-11"	BT 210E
	T16C	1	24T16C x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 3/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 402
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF DRWG.

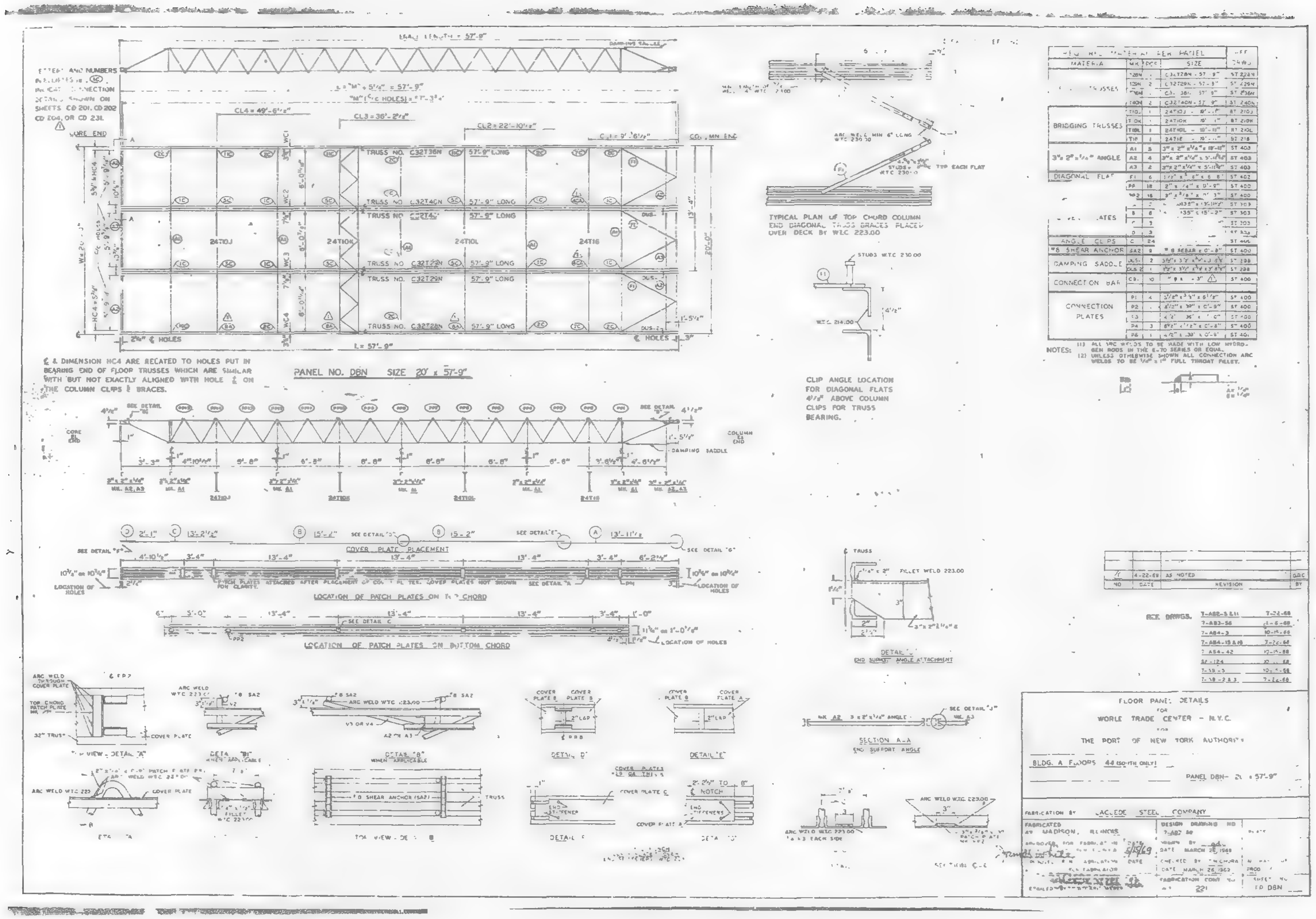
7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

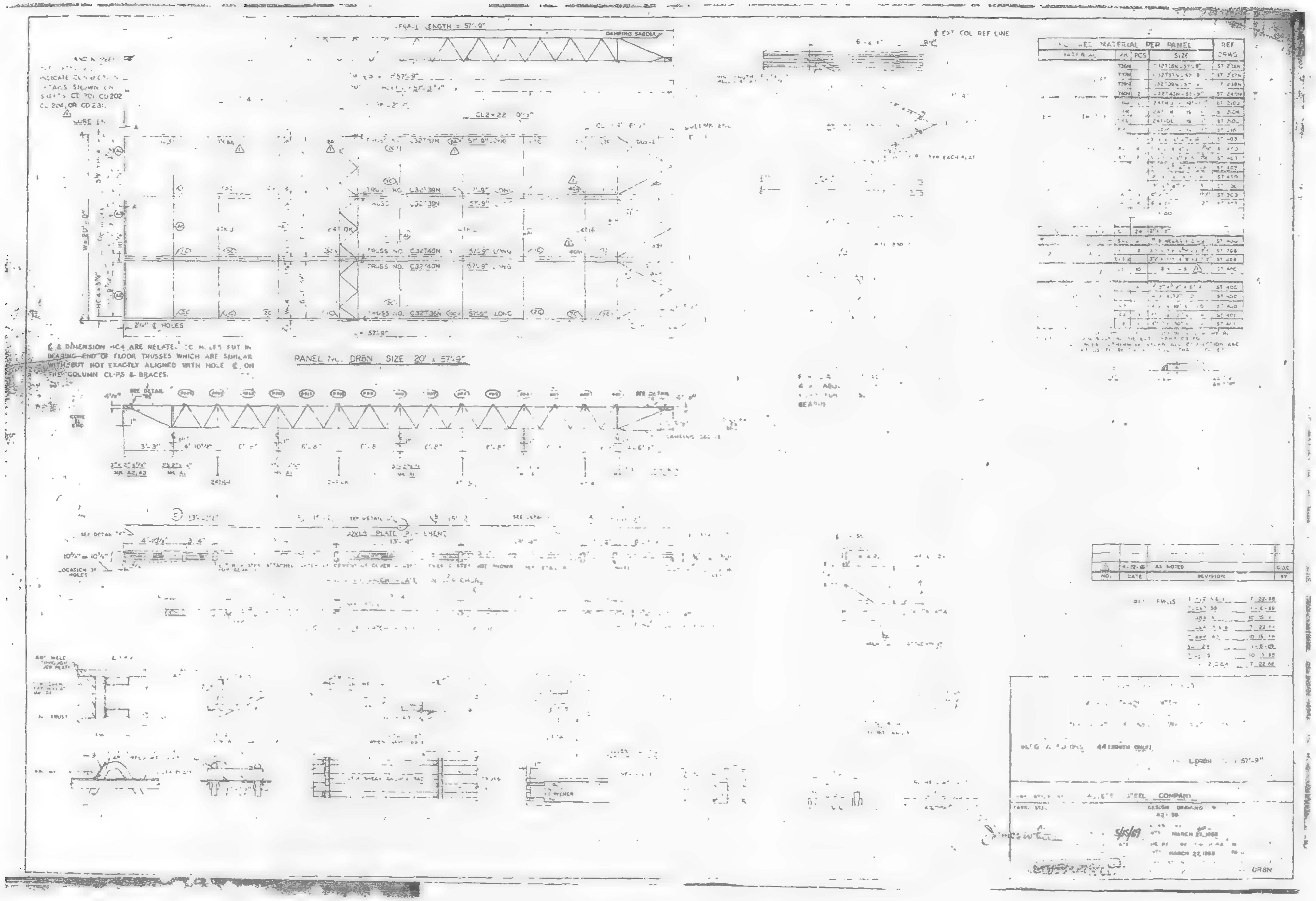
BLDG A FLOORS 59 & 92 (SOUTH)

PANEL DR2C - 20' x 59'-8"

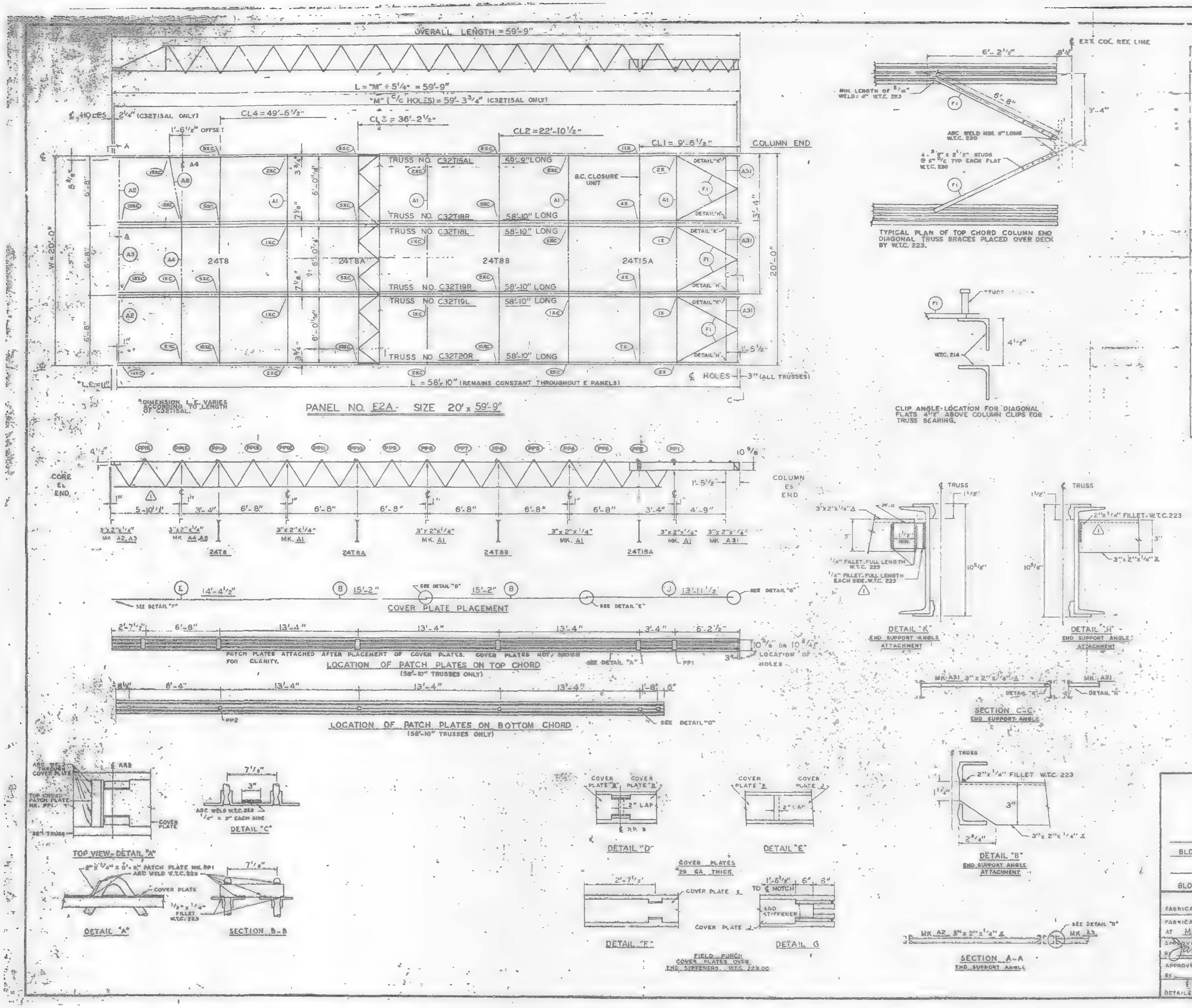
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-31 PLATE
APPROVED FOR FABRICATION BY FOR PONYA DATE 6/6/69
DRAWN BY DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP DR2C



PANEL NO. DBN SIZE 20' x 57'-9"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL, TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SECTION A-A
REF. DRWGS.
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 44 (SOUTH ONLY)
PANEL DBN
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO
DATE MARCH 26, 1969
FABRICATION CONT. NO. 221
FP DBN

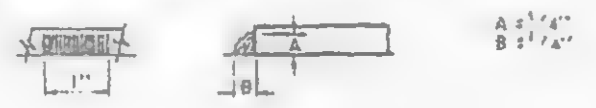


Ⅽ EXT COL REF LINE
DAMPING SADDLE
TRUSS NO. C32T40N 57'-9" LONG
TRUSS NO. C32T40N 57'-9" LONG
TRUSS NO. C32T36N 57'-9" LONG
2¼" Ⅽ HOLES
Ⅽ & DIMENSION HC4 ARE RELATED TO HOLES FOR BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE Ⅽ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DR8N SIZE 20' x 57'-9"
SEE DETAIL
CORE EL END
3'-3"
4'-10½"
AS NOTED
DATE
REVISION
44 (SOUTH ONLY)
DR8N
57'-9"
STEEL COMPANY
DESIGN DRAWING
5/15/69
MARCH 27, 1968
MARCH 27, 1968
DR8N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-1 3/4"	ST 403
	A4	1	3"x 2"x 1/4"x 13'-3"	ST 403
	A8	1	3"x 2"x 1/4"x 6'-8 5/8"	ST 405
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" Ø x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x .25"x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/16" Ø x 1'-3"	ST 400
	CB3	6	1 3/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P8	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

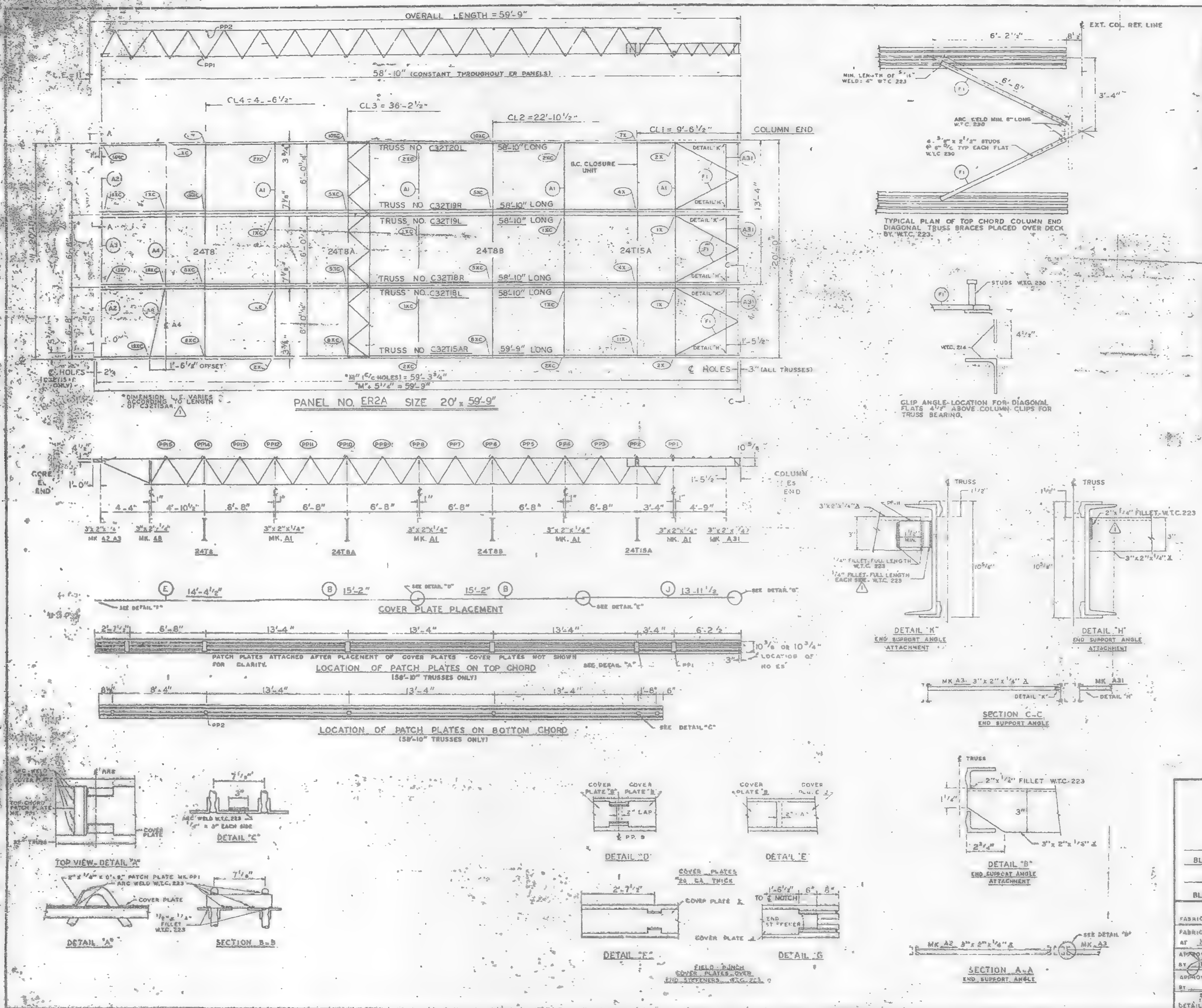
REF DRWG.

7-A83-32	10-4-68
7-A83-24	8-15-68
7-A81-14, 17, 18 & 19	10-4-68
7-A82-3	7-22-68
7-A82-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

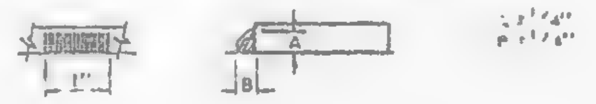
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
P E2A - 20' x 59'-9"
BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-A83-32 PLATE
APPROVED FOR FABRICATION BY James White PNYA DATE 1/2/70
DRAWN BY Lueh DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP-E2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-0"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20L	1	C32T20L x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-1"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x5'-11 3/4"	ST 403
	A4	1	3"x 2"x 1/4"x13'-3"	ST 403
	A8	1	3"x 2"x 1/4"x 6'-8 5/8"	ST 405
	A31	3	3"x 2"x 1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3"x 1/4" x 0'-2 3/8"	ST 402
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4 1/2"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" Ø x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x .25" x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/8" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF DRWG.

7-AB3-23	10-4-68
7-AB3-24	10-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL ER2A = 20' x 59'-9"

BLDG. B FLOORS 25 (EAST & WEST) [illegible]

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-3[illegible] PLATE

APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70

DRAWN BY [illegible] DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

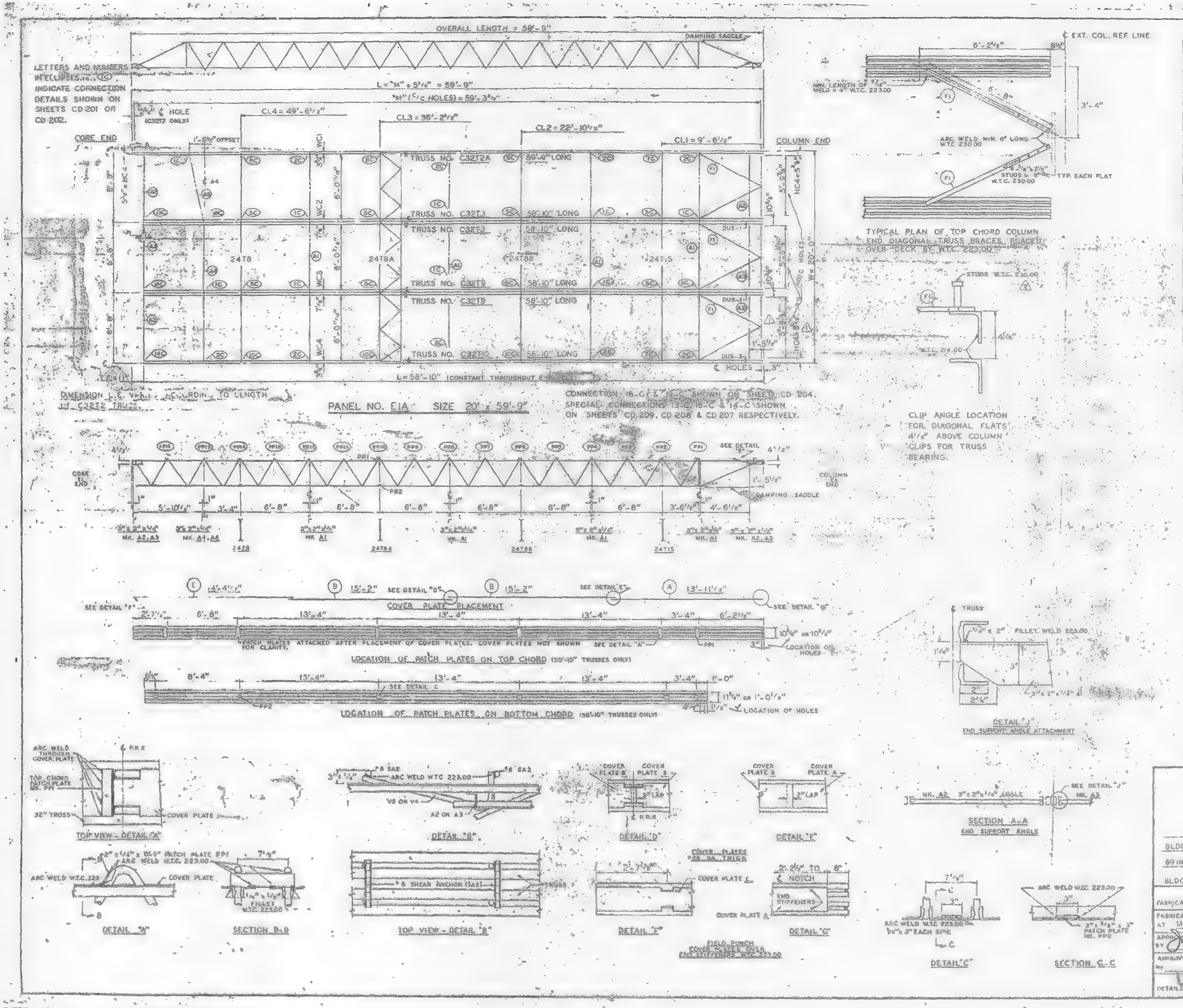
CHECKED BY T.M. CHURA DATE DEC. 5, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT NO W.T.C. 221

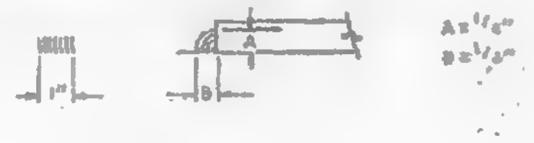
SHEET NO FP ER2A



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2A	1	C32T2A - 59'-9"	ST 202A
	T3	2	C32T3 - 58'-10"	ST 2[illegible]
	T9	2	C32T9 - 58'-10"	ST 2[illegible]
	T10	[illegible]	C32T10 - [illegible]	ST [illegible]
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST [illegible]
	T8A		24T8A - 19'-11"	ST [illegible]
	T8B		24T8B - 19'-11"	ST [illegible]
	T15		24T15 - 19'-11"	ST [illegible]
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A4	[illegible]	3" x 2" x 1/4" x [illegible]	ST 403
	A8	[illegible]	3" x 2" x 1/4" x 6'-3 3/4"	ST 403
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2"	ST 3[illegible]
	B	6	9" x 0.135" x 15'-2"	ST 303
	E	3	9" x 0.135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	8	1 7/8" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3" x 2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x [illegible] 6"	ST 400
	P6	1	4 1/2" x [illegible] x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/4" x 0'-3"	ST 400

(1) ALL ARC-WELD TO BE MADE WITH LOW HY. [illegible] RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
2	6-18-69	AS NOTED	[illegible]
1	9-8-68	AS NOTED	[illegible]

(2) REF. DRWGS.

7-AB3-3&[illegible]	7-22-68
7-AB3-11	10-15-68
7-AB4-3 [illegible]	[illegible]
7-AB4-15,16 & 34	7-22-68
7-AB4-42 & 3	8-15-68
SA-124	1-5-68
7-AB1-3	7-2[illegible]-68
7-AB1-6,7 & 8	7-22-68

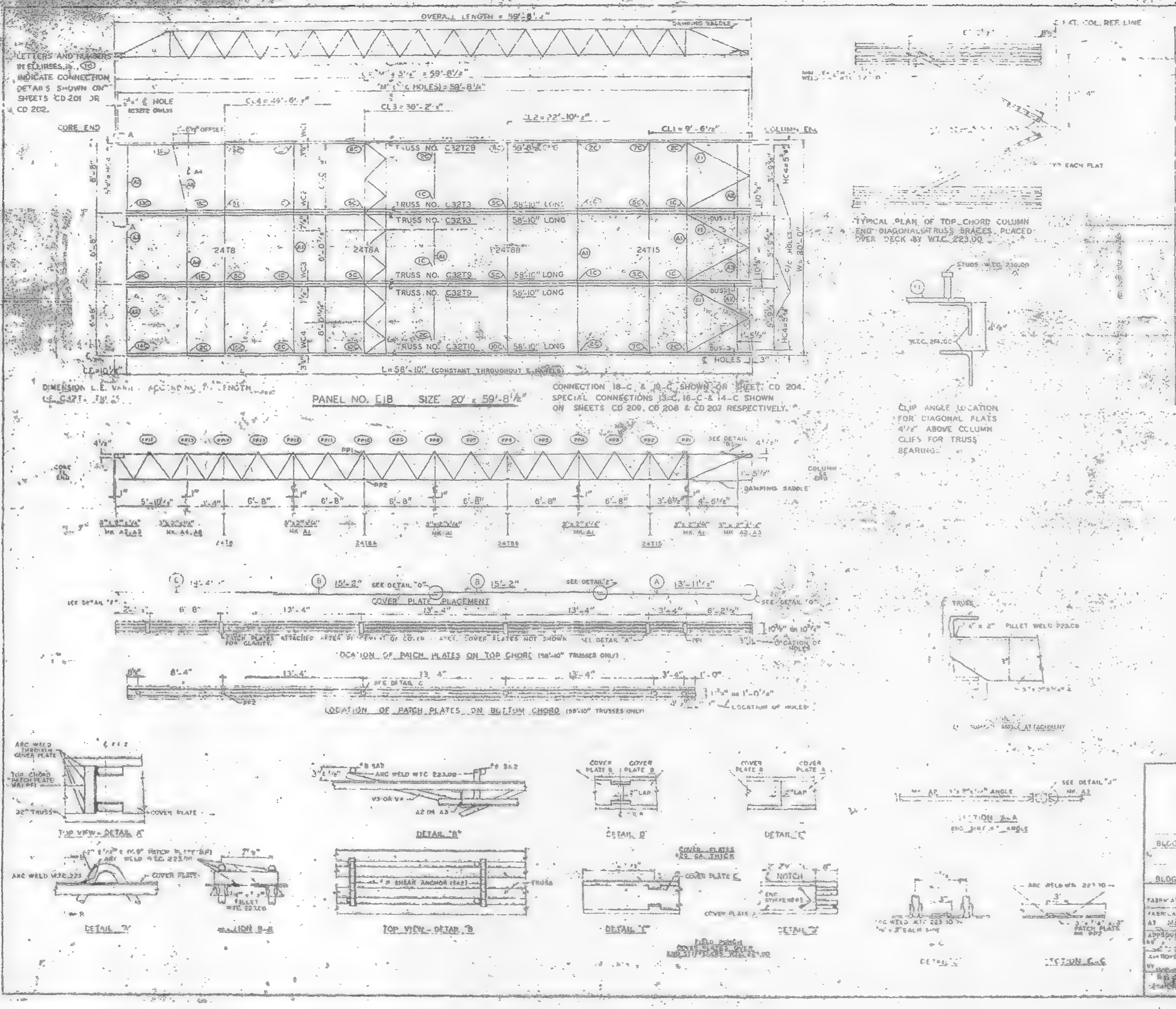
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49 58, 60-[illegible] 69 (NORTH) PANEL E1A - 20' x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49 [illegible] (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11	PLATE
APPROVED FOR FABRICATION BY James [illegible]	DATE 1/2/70	DRAWN BY [illegible] DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. [illegible]
DETAILED [illegible]		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP E1A



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T2B	1	C32T2B - 59'-8½"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x¼" ANGLE	A	4	3"x 2"x¼"x 19'-11"	ST 403
	A2	4	3"x 2"x¼"x 5'-11⅝"	ST 403
	A3	2	3"x 2"x¼"x 8'-11⅝"	ST 403
	A4	1	3"x 2"x¼"x 13'-3"	ST 403
	A8	1	3"x 2"x¼"x 6'-8¾"	ST 403
DIAGONAL FLATS		1	1"x⅝"x 6'-5"	ST 402
COVER PLATES	A	3	9"x 0.135"x 13'-11½"	ST 303
	B	8	9"x 0.135"x 15'-2"	ST 303
	E	3	9"x 0.135"x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x 1½"x ¼"x 0'-8"	ST 400
	C2	4	2½"x 1½"x ¼"x 6"	ST 400
DAMPING SADDLE	DS2	12	3½"x 3½"x ⅜"x 3'-6"	ST 298
	DS3	1	3½"x 3½"x ⅜"x 3'-6½"	ST 298
CONNECTION BAR	CB1	1	1" ø x 1'-3"	ST 400
	CB2	8	[illegible] ø x 1'-3"	ST 400
	CB3	6	1⅜" ø x 1'-9"	ST 400
CONNECTION PLATES	P1	5	3½"x ⅜" x 6½"	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	[illegible] x 1'-8"	ST 400
	PC	1	[illegible] 9"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-[illegible]	[illegible]
PATCH PLATES	PP1	18	2"x [illegible] x 0'-9"	ST 400
	PP2	18	3"x ⅜"x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROD RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ⅛" x 1" FULL THROAT FILLET.

1	8-18-69	AS NOTED	
NO.	DATE	REVISION	

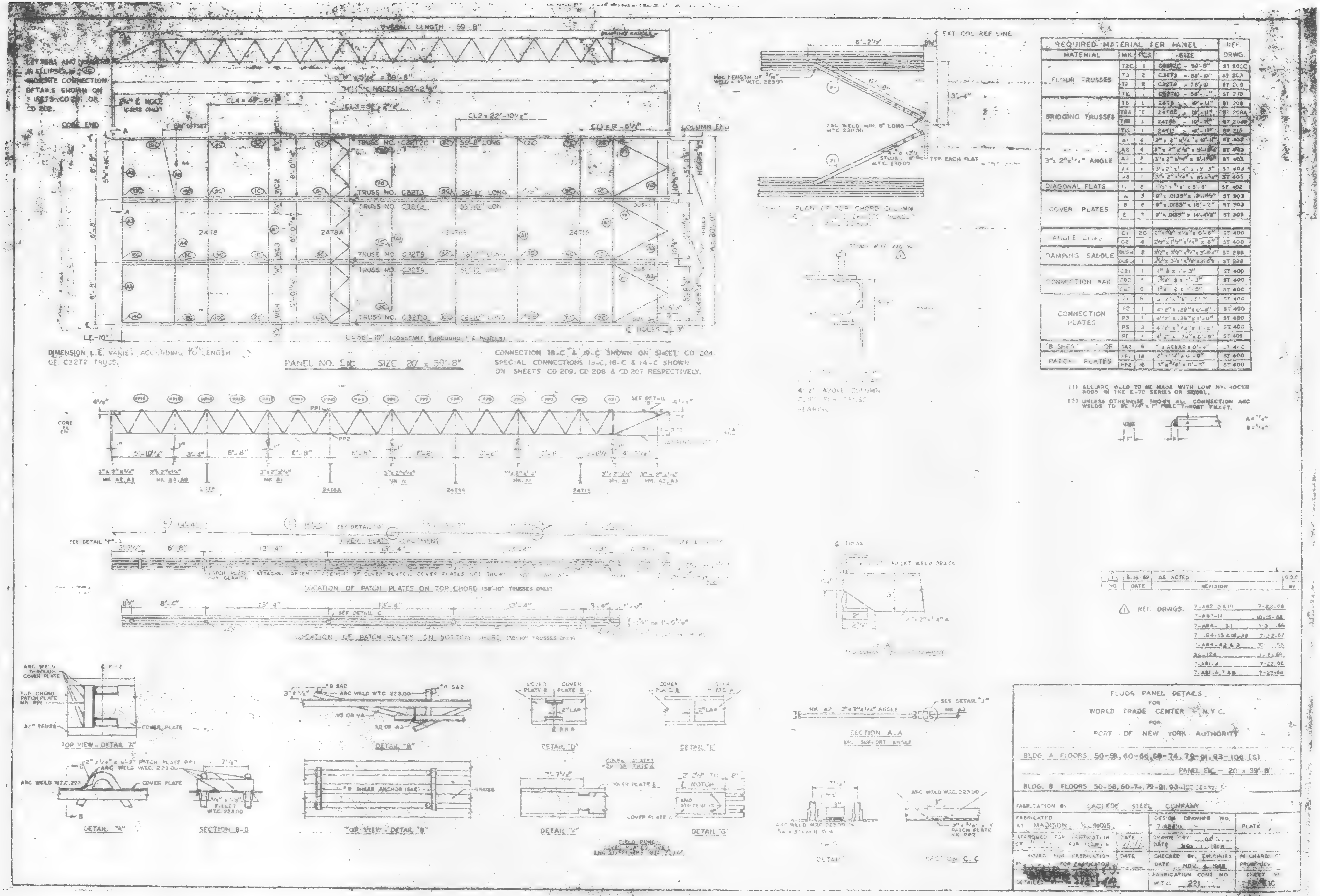
REF. DRWGS.

7-AB2-3 & 9	7-22-68
7-AB4-1	10-15-68
7-AB4-2	7-1-68
7-AB4-15 & 18 & 39	7-22-68
7-AB4-42 & 3	10-15-68
56-124	1-5-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

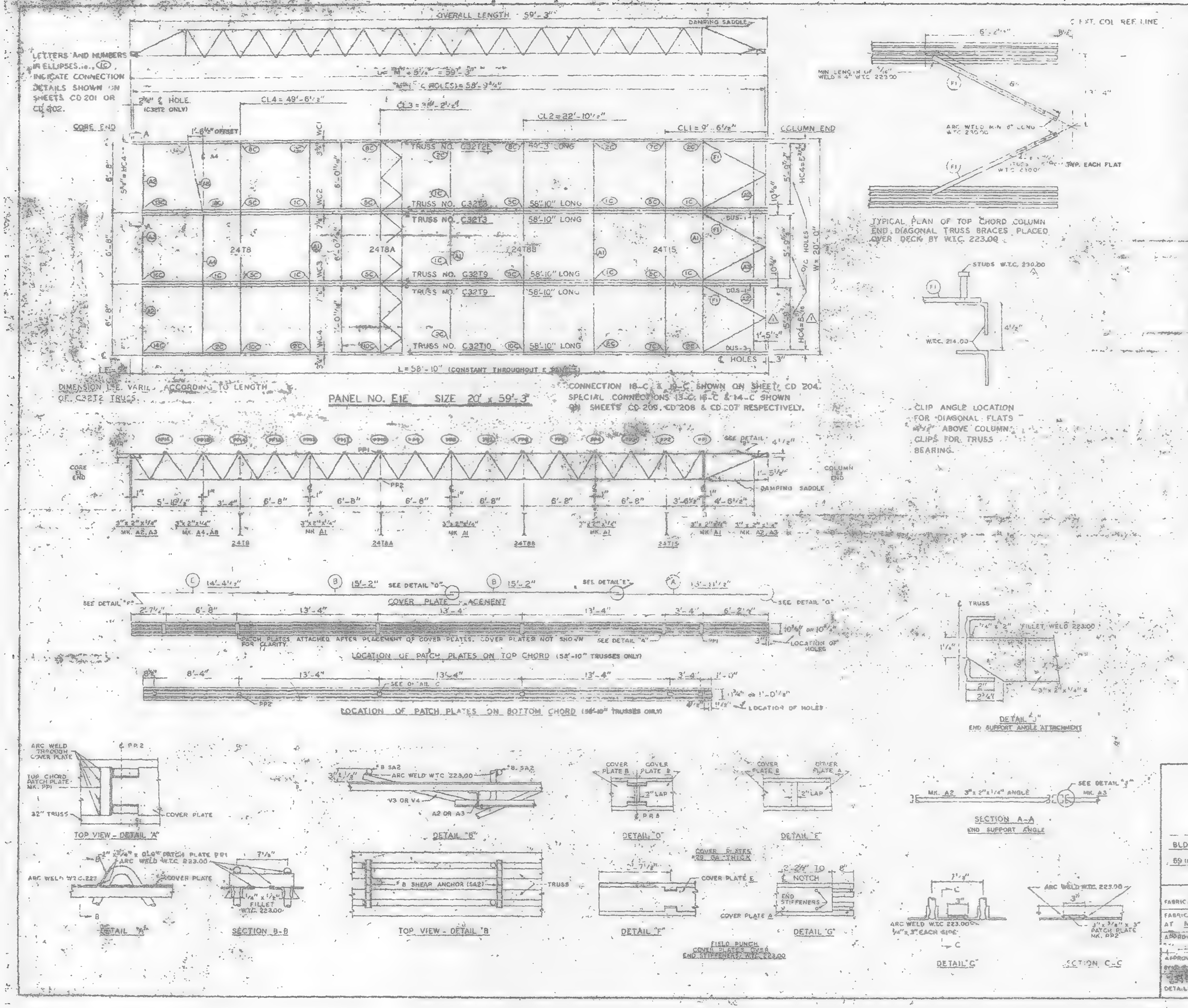
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)
PANEL E1B
BLDG. B FLOORS 84-91, 93-105 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB341
APPROVED FOR FABRICATION — DATE
DRAWN BY — DATE NOV. 1, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY: — DATE NOV. 4, 1968
FABRICATION CONT. NO. 221
E1B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2C	[illegible]	C32T2C - 59'-8"	ST 202C
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-[illegible]	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x [illegible]	ST 403
	A2	4	3" x 2" x 1/4" x [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x [illegible]	ST 403
	A4	1	3" x 2" x 1/4" x [illegible]	ST 405
	A8	1	3" x 2" x 1/4" x [illegible]	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible] x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x [illegible]	ST 303
	B	6	9" x .0135" x 13'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	[illegible] x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2" x 3 1/2" x [illegible]	ST 288
	DUS-3	1	3 1/2" x 3 1/2" x 5/8" x [illegible]	ST 288
CONNECTION BAR	CB1	1	1" x 1'-3"	ST 400
	CB2	[illegible]	[illegible] x 1'-3"	ST 400
	CB3	6	[illegible] x 1'-5"	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	1	4 1/2" x .29" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 3/4" x 1'-6"	ST 400
	P6	1	4 1/2" x [illegible] x 0'-9"	ST 401
8 SHEAR ANCHOR	SA2	6	[illegible] REBAR x 0'-[illegible]	ST 410
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400



REQUIRED MATERIAL PER PANEL				REF. DWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2E	F	C32T2E - 58'-3"	ST 202E
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	[illegible]
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	[illegible]
	T8A	1	24T8A - 19'-1"	[illegible]
	T8B	1	24T8B - [illegible]	[illegible]
	T15	1	24T15 - [illegible]	ST 215
3" x 2" x ¼" ANGLE	A1	4	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	[illegible]
	[illegible]	1	[illegible]	[illegible]
	A8	1	[illegible]	[illegible]
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-[illegible]	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	[illegible]	1" ø x 1'-3"	ST 400
	CB2	5	[illegible] ø x 1'-5"	ST 400
	CB3	6	[illegible] ø x 1'-[illegible]	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES [illegible].
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" [illegible] THROAT FILLET.

NO	DATE	REVISION	
2	6-18-69	AS NOTED	[illegible]
1	9-10-68	AS NOTED	[illegible]

REF. DRWGS.

[illegible]

7-AB4-[illegible] & 39

7-AB4 42 & 3

[illegible] 12A

7-AB 3

7-AB1-6, 7 & 8

FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS [illegible]0-11 (NORTH & SOUTH)

69 (NORTH) PANEL E1E [illegible] 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION [illegible] FOR P.O.N.Y.A. DATE [illegible]

APPROVED FOR FABRICATION DATE

DETAILED BY A. CARL WEBER

DESIGN DRAWING NO 7-AB3-[illegible]

DRAWN BY: [illegible] DATE JULY 22, 1968

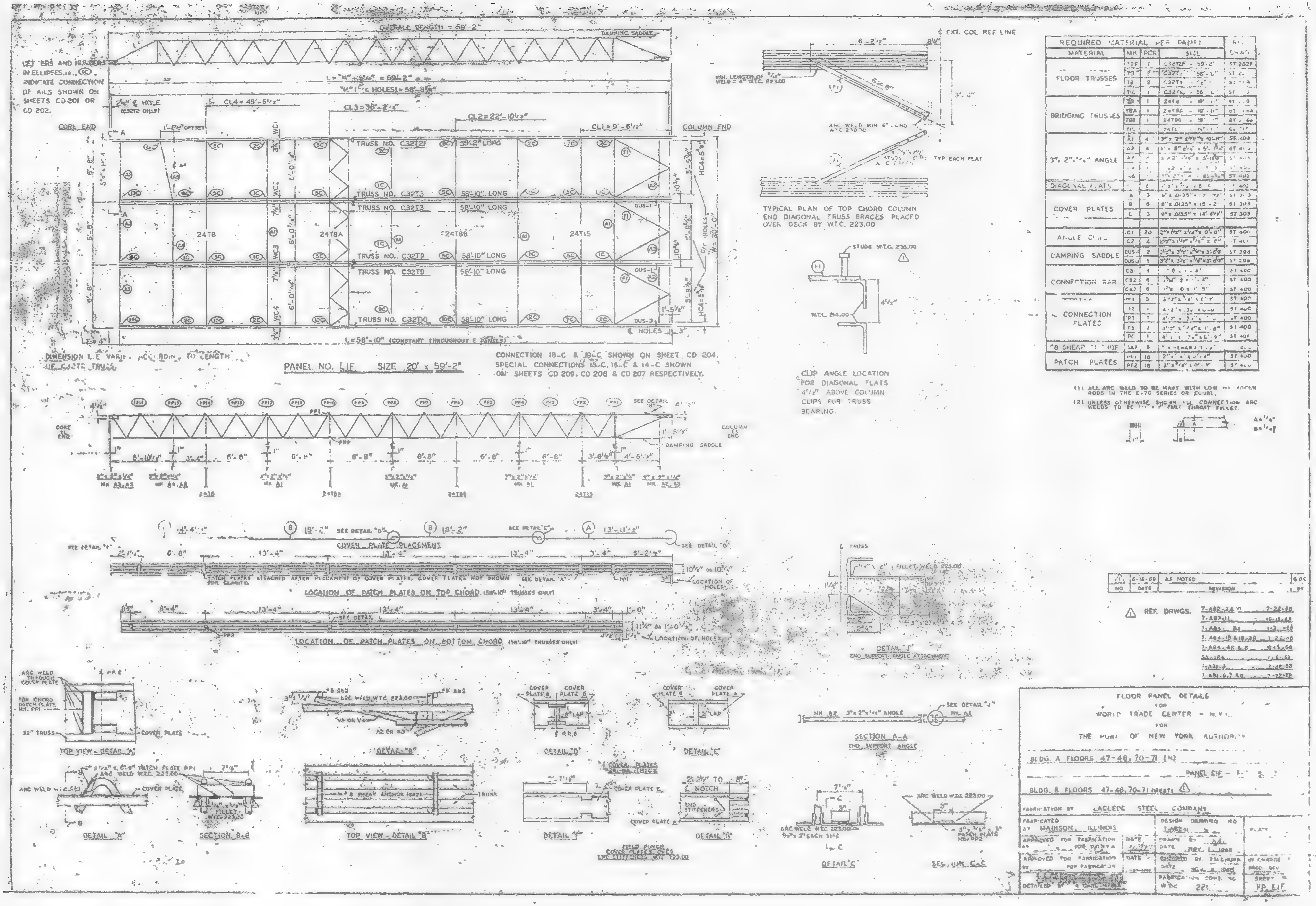
CHECKED BY: T.M. CHURA DATE MAY 22, 1968

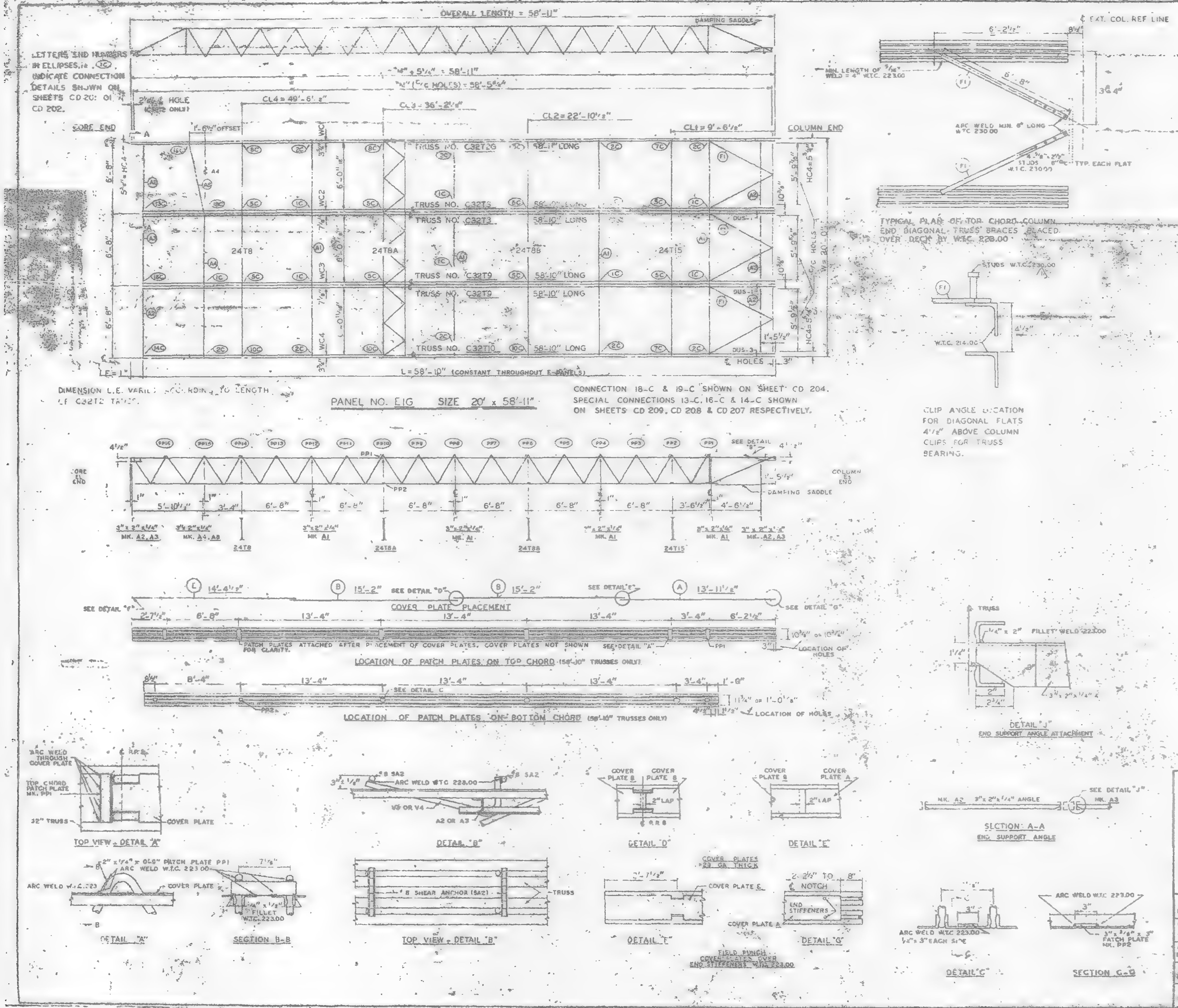
FABRICATION CONT. NO W.T.C. 221

PLATE

IN CHARGE OF PROD. DEV.

SHEET NO FP E1E


OVERALL LENGTH = 59'-2"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
CORE END
COLUMN END
TRUSS NO. C32T2F 59'-2" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T10 58'-10" LONG
24T8
24T8A
24T8B
24T15
L = 58'-10" (CONSTANT THROUGHOUT 5 PANELS)
PANEL NO. E1F SIZE 20' x 59'-2"
CONNECTION 18-C & 19-C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13-C, 16-C & 14-C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
EXT. COL REF LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIP
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
REF. DRWGS.
6-18-69 AS NOTED
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 47-48, 70-71 (N)
BLDG. B FLOORS 47-48, 70-71 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
FP E1F



REQUIRED MATERIAL PER PANEL				REF. DRAW.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2G	1	C32T2G - 58'-11"	ST 2[illegible]G
	T3	2	C32T3 - 58'-10"	ST [illegible]
	T9	2	C32T9 - 58'-10"	ST 2[illegible]
	T10	1	C32T10 - 58'-10"	ST 310
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST [illegible]
	T8A	1	24T8A - 19'-11"	ST [illegible]A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST [illegible]
3"x 2"x ¼" ANGLE	A1	4	3"x 2"x ¼"x 19'-11"	ST 403
	A2	4	3"x 2"x ¼"x 5'-[illegible]	ST 403
	A3	2	3"x 2"x ¼"x 5'-[illegible]	ST 403
	A4	1	3"x 2"x ¼"x 1'-3	ST 403
	A8	1	3"x 2"x ¼"x 6'-[illegible]	ST 403
DIAGONAL FLATS	[illegible]	6	[illegible]"x ⅝"x 6'-[illegible]	ST 402
COVER PLATES	A	3	9"x .0135"x 13'-11½"	ST 303
	B	8	9"x .0135"x 15'-2	ST 303
	E	3	9"x .0135"x 14'-4½"	ST 303
ANGLE CLIP	C1	20	2"x 1½"x ¼"x 0'-8"	ST 400
	C2	4	2½"x 1½"x ¼"x 6"	ST 400
DAMPING SADDLE	DUS-4	2	3½"x 3½"x ⅜"x 3'-[illegible]	ST 298
	DUS-3	1	3½"x 3½"x ⅜"x 3'-8⅞"	ST 298
CONNECTION BAR	CB1	1	1" ø x 1'-3"	ST 400
	CB2	6	1⅜" ø x 1'-3"	ST 400
	CB3	6	1⅝" ø x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½"x ⅜"x 6½"	ST 400
	P2	1	4½"x .39"x 0'-9"	ST 400
	P3	1	4½"x .39"x 1'-0"	ST 400
	P5	3	4½"x ¼"x 1'-6"	ST 400
	P6	1	4½"x .39"x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-4"	ST 4[illegible]
PATCH PLATES	PP1	18	2"x ¼"x 0'-9"	ST 400
	PP2	18	3"x ⅜"x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO	DATE	REVISION	
1	6-18-69	AS NOTED	G[illegible]

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-11	10-15-68
7-AB4-31	1-3-68
7-AB4-15 & 16-30	7-22-68
7-AB4-42 & 2	10-15-68
86-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (N&S)
PANEL E1G - 20' x 58'-11"
BLDG. B FLOORS 39-40 (EAST & WEST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB8-11

PLATE

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE [illegible]

DRAWN BY [illegible] DATE NOV. 1, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

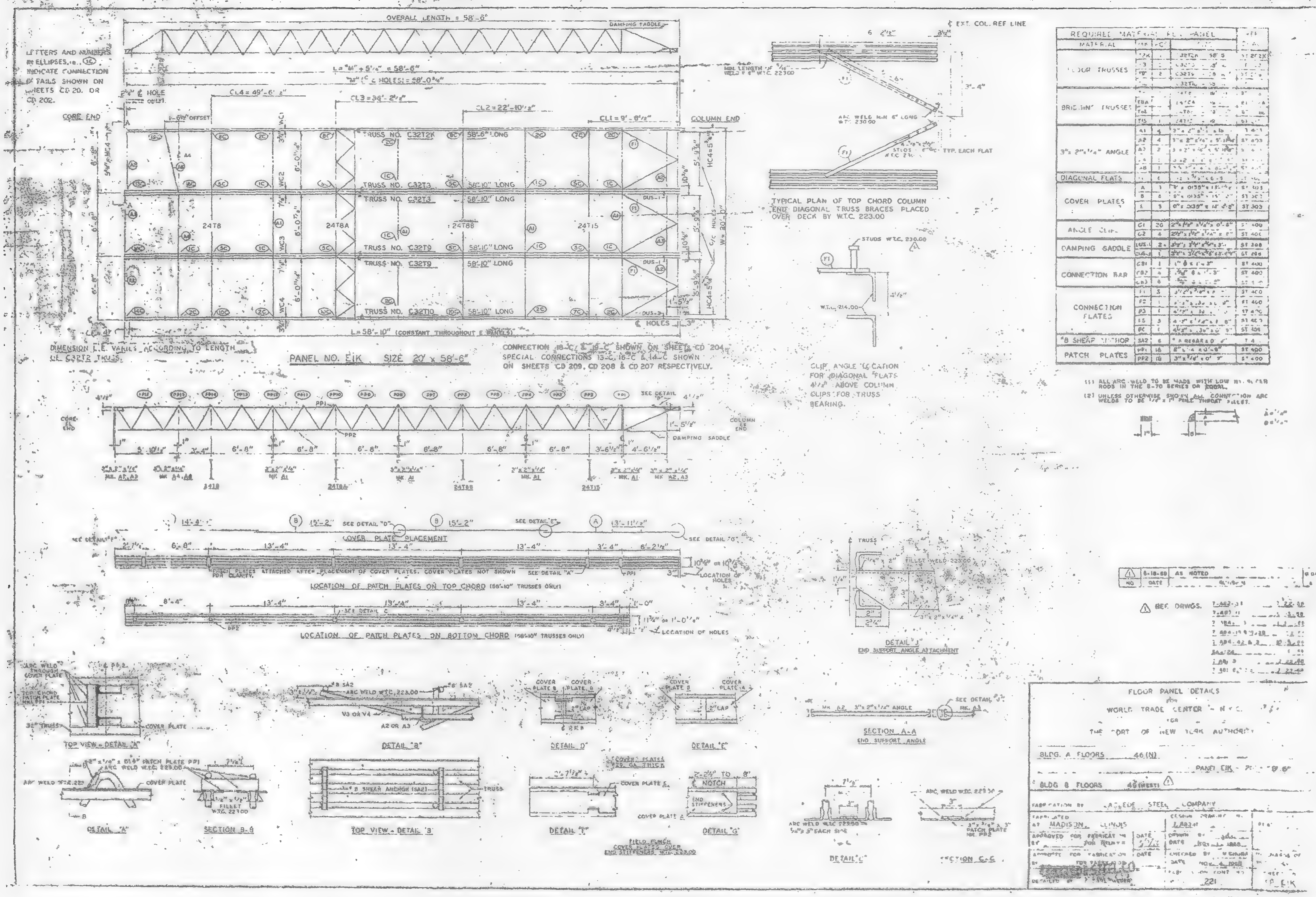
CHECKED BY T.M.CHUBA DATE NOV. 4, 1968

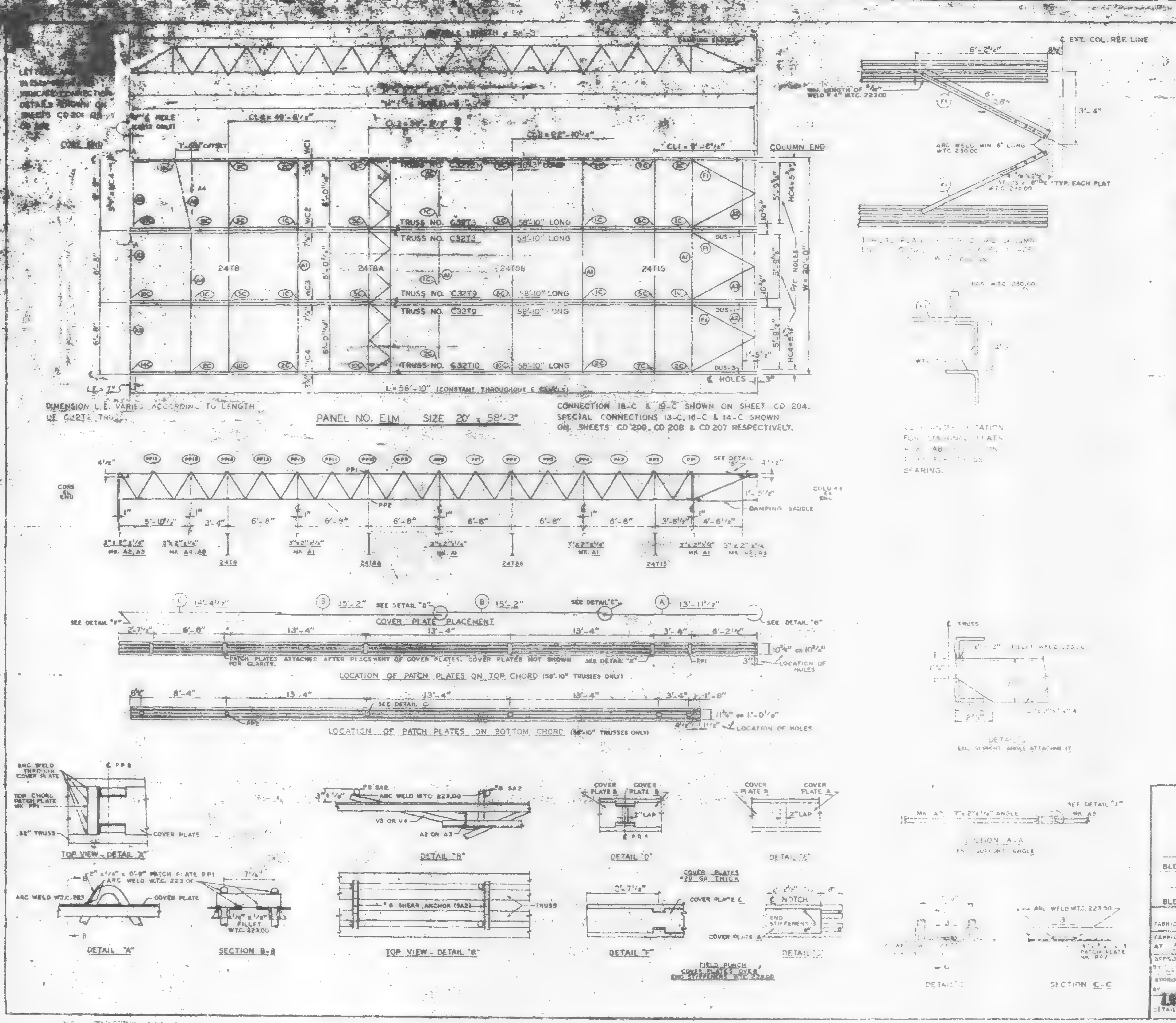
IN CHARGE OF PROD. ENG.

DETAIL [illegible]

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FE E1G


OVERALL LENGTH = 58'-0"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 20. OR CD 202.
CORE END
COLUMN END
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-8 1/2"
TRUSS NO. C32T2K
58'-6" LONG
TRUSS NO. C32T3
58'-10" LONG
TRUSS NO. C32T9
TRUSS NO. C32T10
24T8
24T8A
24T8B
24T15
L = 58'-10" (CONSTANT THROUGHOUT E PANELS)
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. E1K SIZE 20' x 58'-6"
CONNECTION 18-C & 19-C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13-C, 18-C & 14-C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
EXT. COL. REF LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIP
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SEE DRWGS.
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
FLOOR PANEL DETAILS
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 46 (N)
BLDG B FLOORS 46 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
221



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DWG.
FLOOR TRUSSES	T2M	1	C32T2M - 56'-3"	ST 202M
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	F1	6	[illegible]	ST 402
COVER PLATES	A	3	[illegible]	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	[illegible]	ST 303
ANGLE CLIPS	C1	20	[illegible]	ST 400
	C2	4	[illegible]	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	1" Ø x 1'-3"	ST 400
	CB2	5	[illegible]	ST 400
	CB3	8	[illegible]	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 40[illegible]
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FREE THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	8-18-69	AS NOTED	

REF. DRWGS.

- 7-AB2-1 & 11
- 7-AB3-11
- 7-AB4-31
- 7-AB4-15 & 16, 38
- 7-AB4-42 & 3 — 10-15-68
- SA-124 — 1-8-69
- 7-AB1-3 — 7-22-68
- 7-AB1-6, 7 & 8 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)

PANEL [illegible] 20' x 58'-3"

BLDG. B FLOORS 72-73 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY — FOR P.O.N.Y.A. — DATE

APPROVED FOR FABRICATION BY — FOR FABRICATOR — DATE

DETAILED BY LACLEDE STEEL CO.

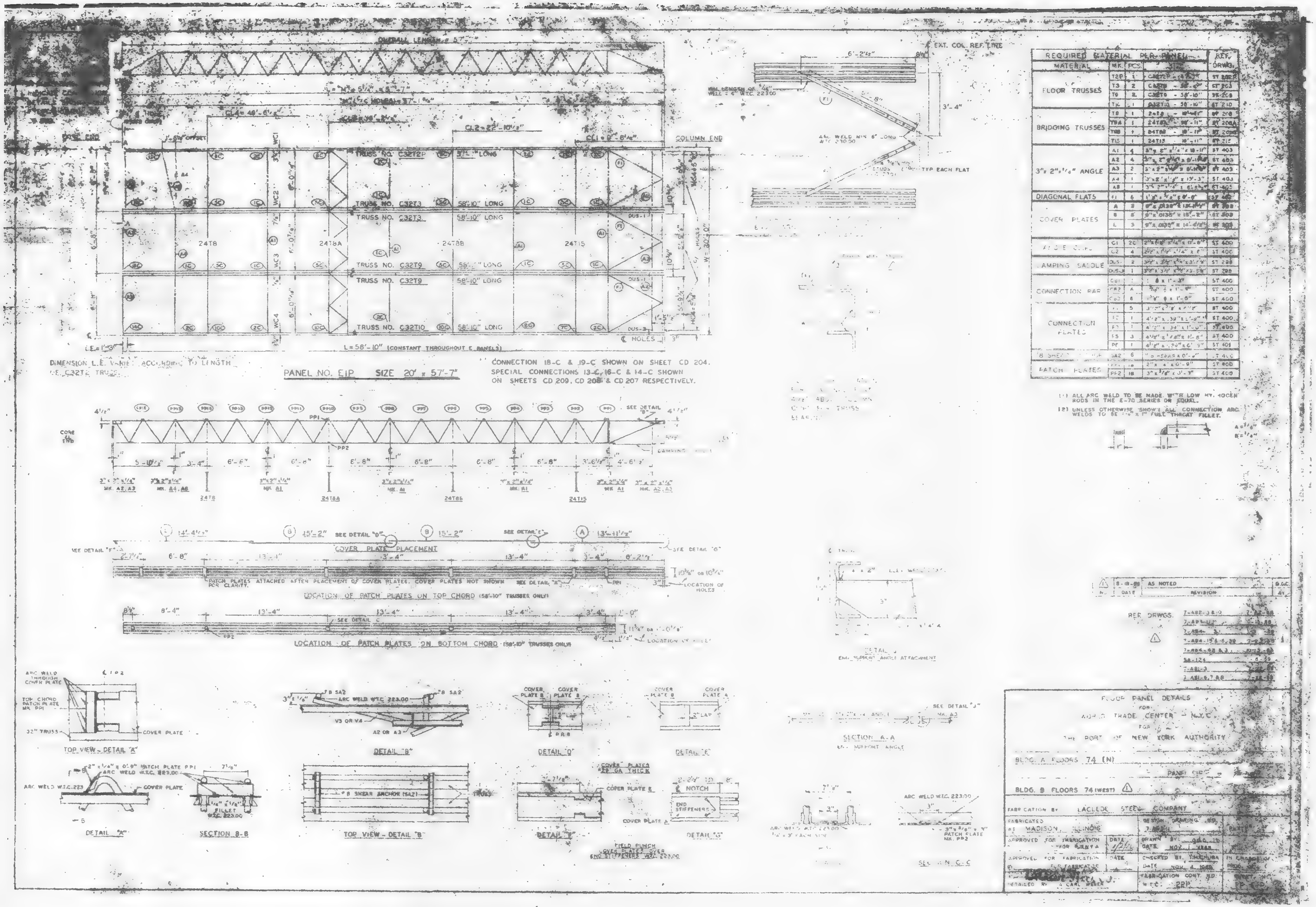
DESIGN DRAWING NO. 7-AB3-11

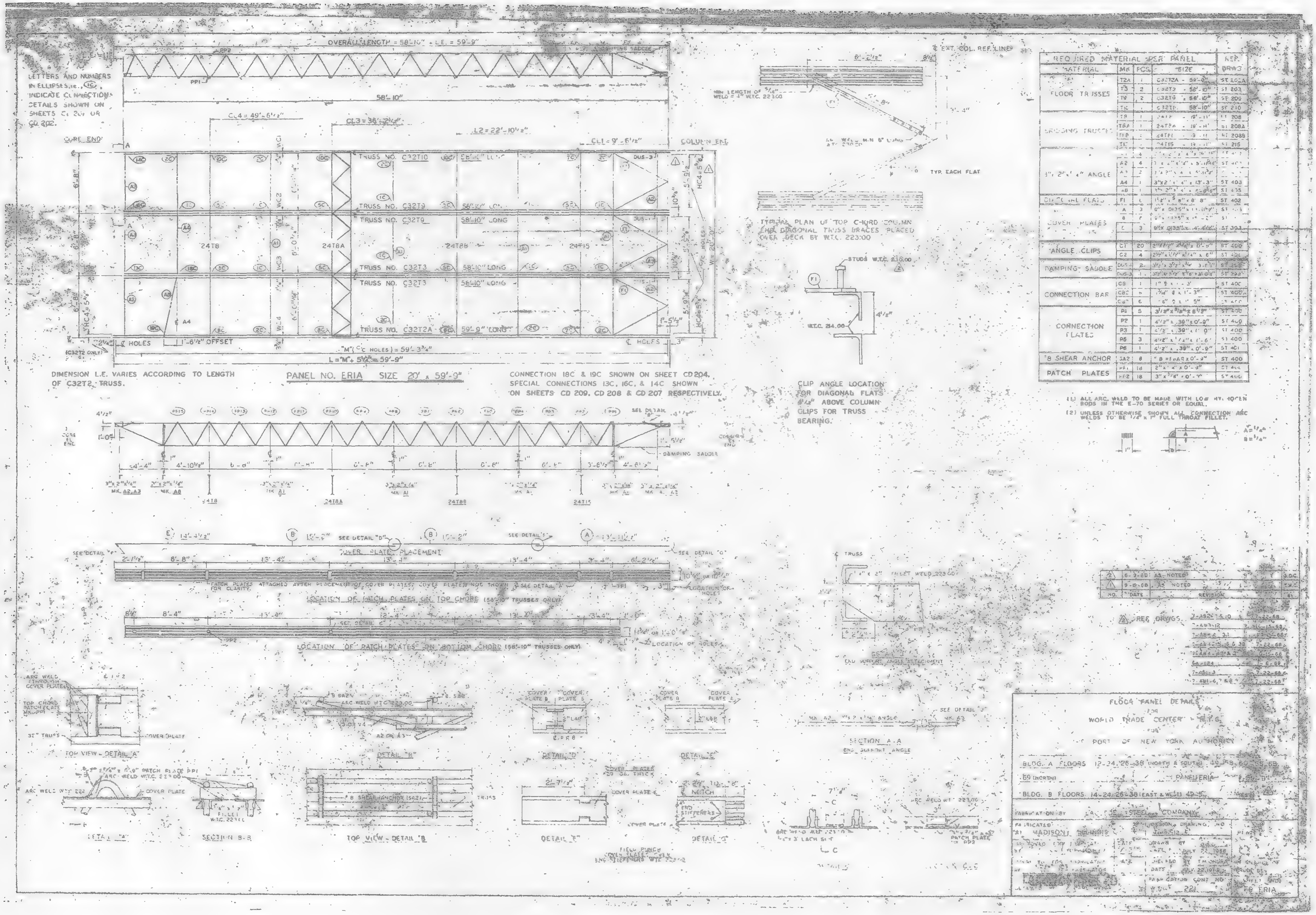
DRAWN BY — DATE NOV. 1, 1968

CHECKED BY T.M. CHUBA — DATE NOV. 4, 1968

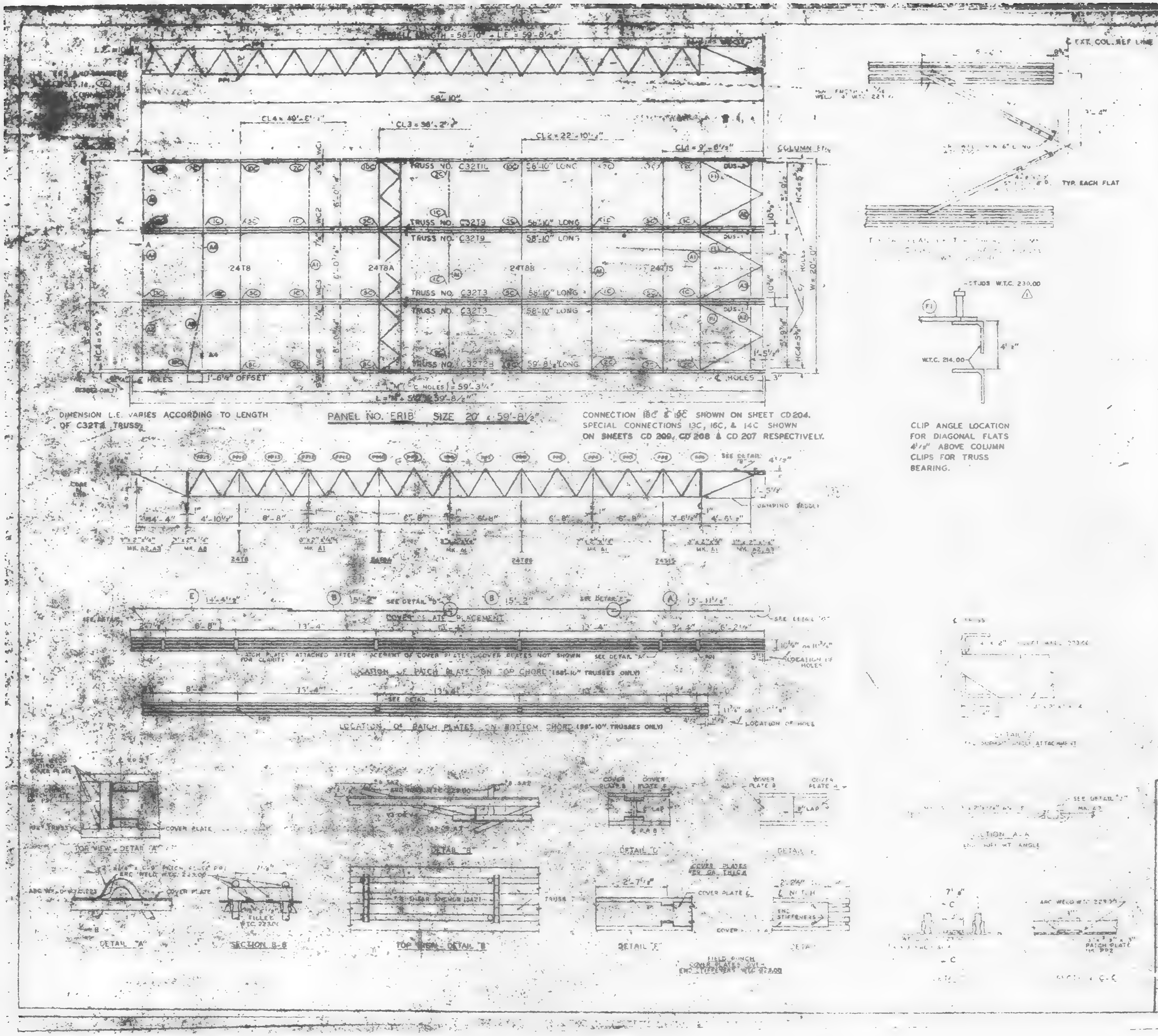
FABRICATION CONT. NO. W.T.C. 221

E1M


PANEL NO. E1P SIZE 20' x 57'-7"
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T10 58'-10" LONG
COLUMN END
L = 58'-10" (CONSTANT THROUGHOUT E PANELS)
CONNECTION 18-C & 19-C SHOWN ON SHEET CD 204.
SPECIAL CONNECTIONS 13-C, 16-C & 14-C SHOWN
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "B"
TOP VIEW - DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
SECTION A-A
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
DRAWN BY
DATE NOV. 1 1968
CHECKED BY
DATE NOV. 4 1968
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO.
W.T.C. 221



OVERALL LENGTH = 58'-10" + L.E. = 59'-9"
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
58'-10"
CORE END
COLUMN END
TRUSS NO. C32T10
TRUSS NO. C32T9
TRUSS NO. C32T3
TRUSS NO. C32T2A
24T8
24T8A
24T8B
24T15
L="M"+ 5 1/2" = 59'-9"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIA SIZE 20' x 59'-9"
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
SECTION B-B
REF. DRWGS.
FLOOR PANEL DETAILS
WORLD TRADE CENTER - N.Y.C.
PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH)
PANEL ERIA
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-5
STEEL COMPANY
MADISON, ILLINOIS
JULY 22, 1968
ERIA



REQUIRED MATERIAL PER PANELS				REF. DRWG.
MATERIAL	MK	REQ.	SIZE	
FLOOR TRUSSES	T2B	1	C32T2B - 59'-8½"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T1L	1	C32T1L - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 18'-11"	ST 208
	T8A	1	24T8A - 18'-11"	ST 208A
	T8B	1	24T8B - 18'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x¼" ANGLE	A1	6	3" x 2" x ¼" x [illegible]	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]	ST 403
	A4	1	3" x 2" x ¼" x [illegible]	ST 403
	A8	1	3" x 2" x ¼" x [illegible]	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅜" x 8'-8"	ST 402
COVER PLATES	A	3	8" x .0135" x 13'-11½"	ST 303
	B	6	8" x .0130" x 15'-2"	ST 303
	E	3	8" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	[illegible] x 0'-8"	ST 400
	C2	4	[illegible]	ST 401
DAMPING SADDLE	DUS-2	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	5	[illegible]	ST 400
	CB3	8	[illegible]	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	5	4½" x .30" x 0'-8"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400
	P5	3	[illegible]	ST 400
	P8	1	4½" x .30" x 0'-6"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	16	2" x ¼" x 0'-8"	ST 400
	PP2	19	3" x ⅜" x 0'-3"	ST 406

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION
1	6-19-69	AS NOTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 84-91, 93-106 (N)

PANEL ERIB

BLDG. B FLOORS 84-91, 93-106 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

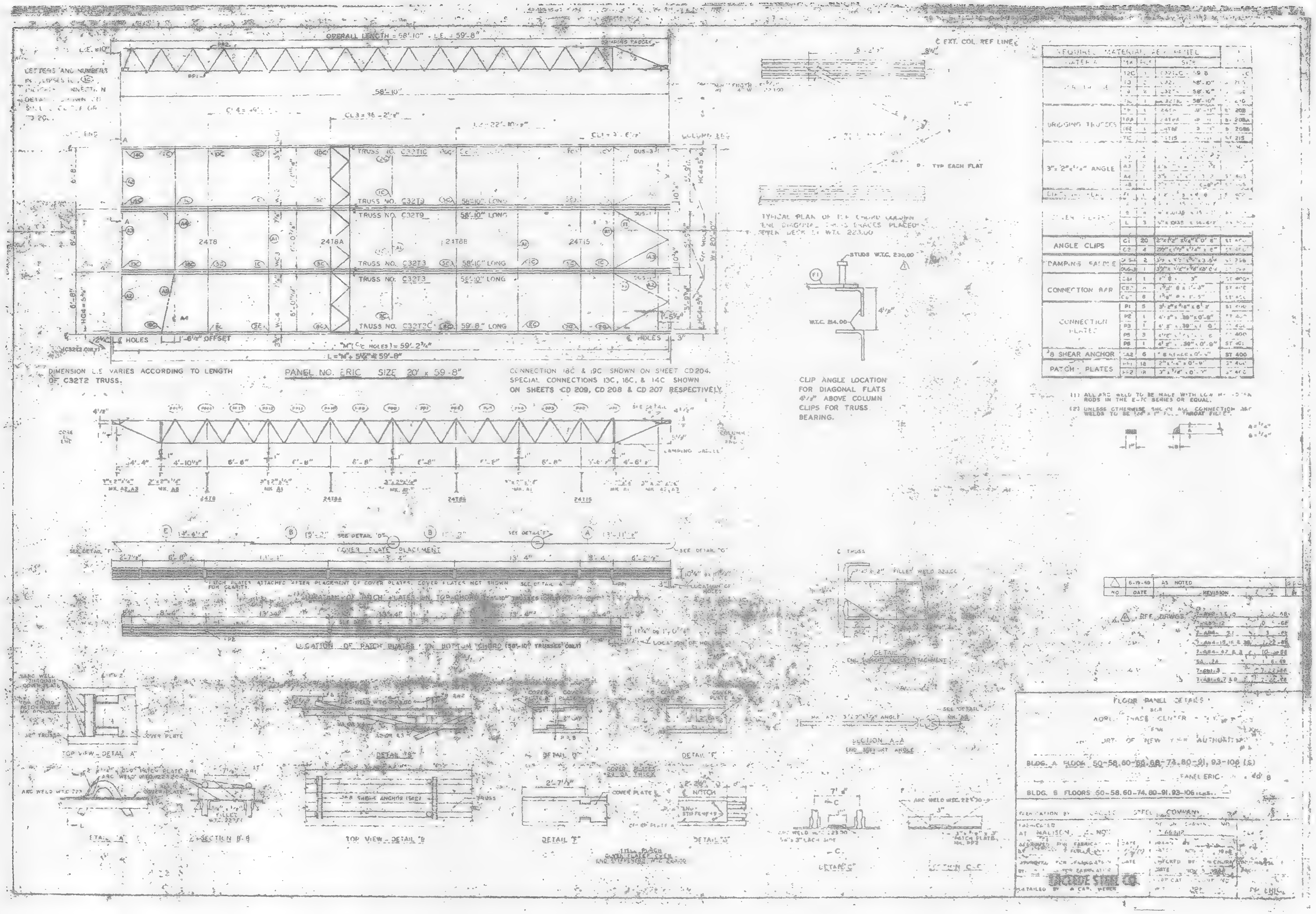
DRAWN BY — DATE NOV. 4

CHECKED — DATE NOV. 5

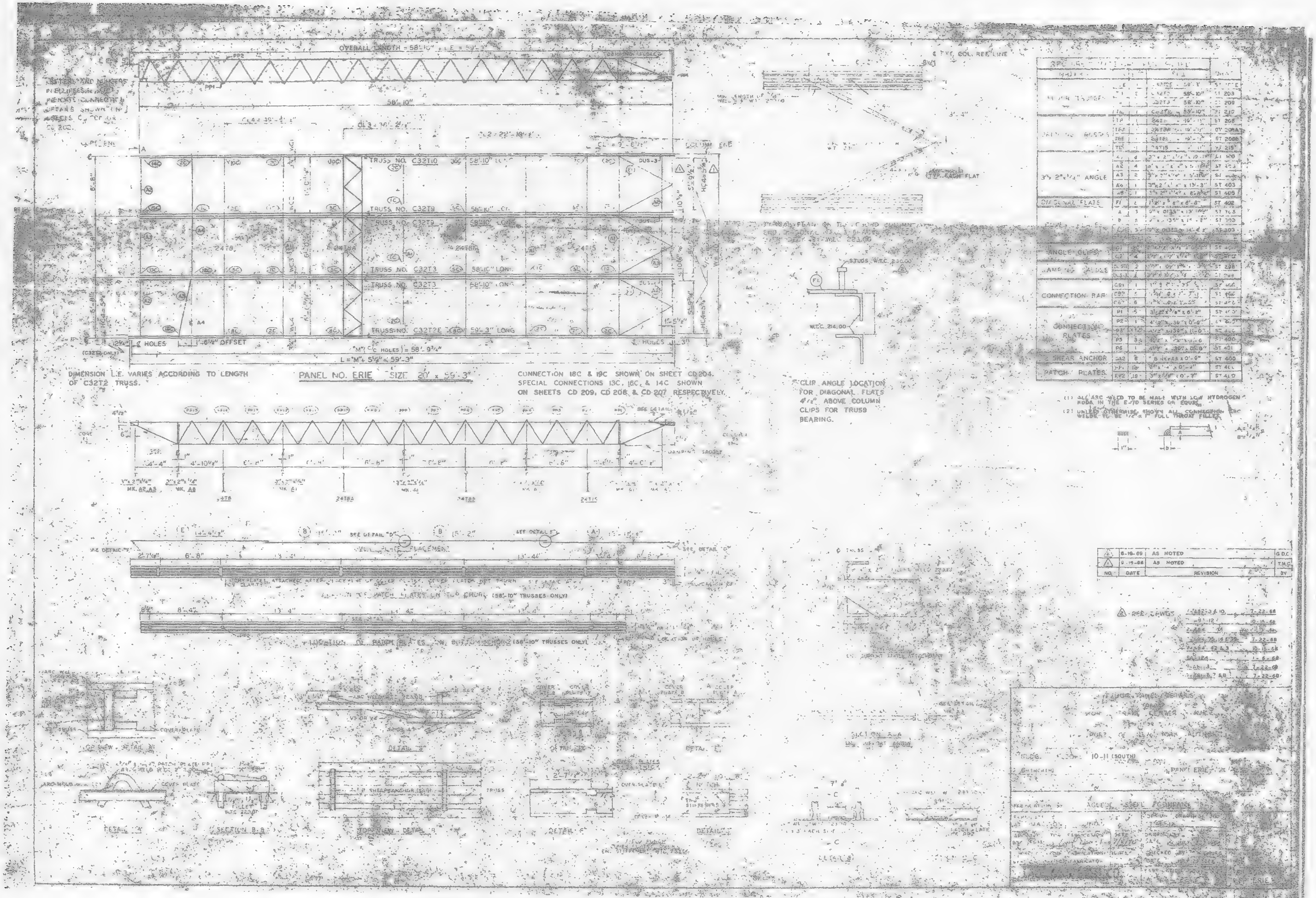
W.T.C. 221

LACLEDE STEEL CO.

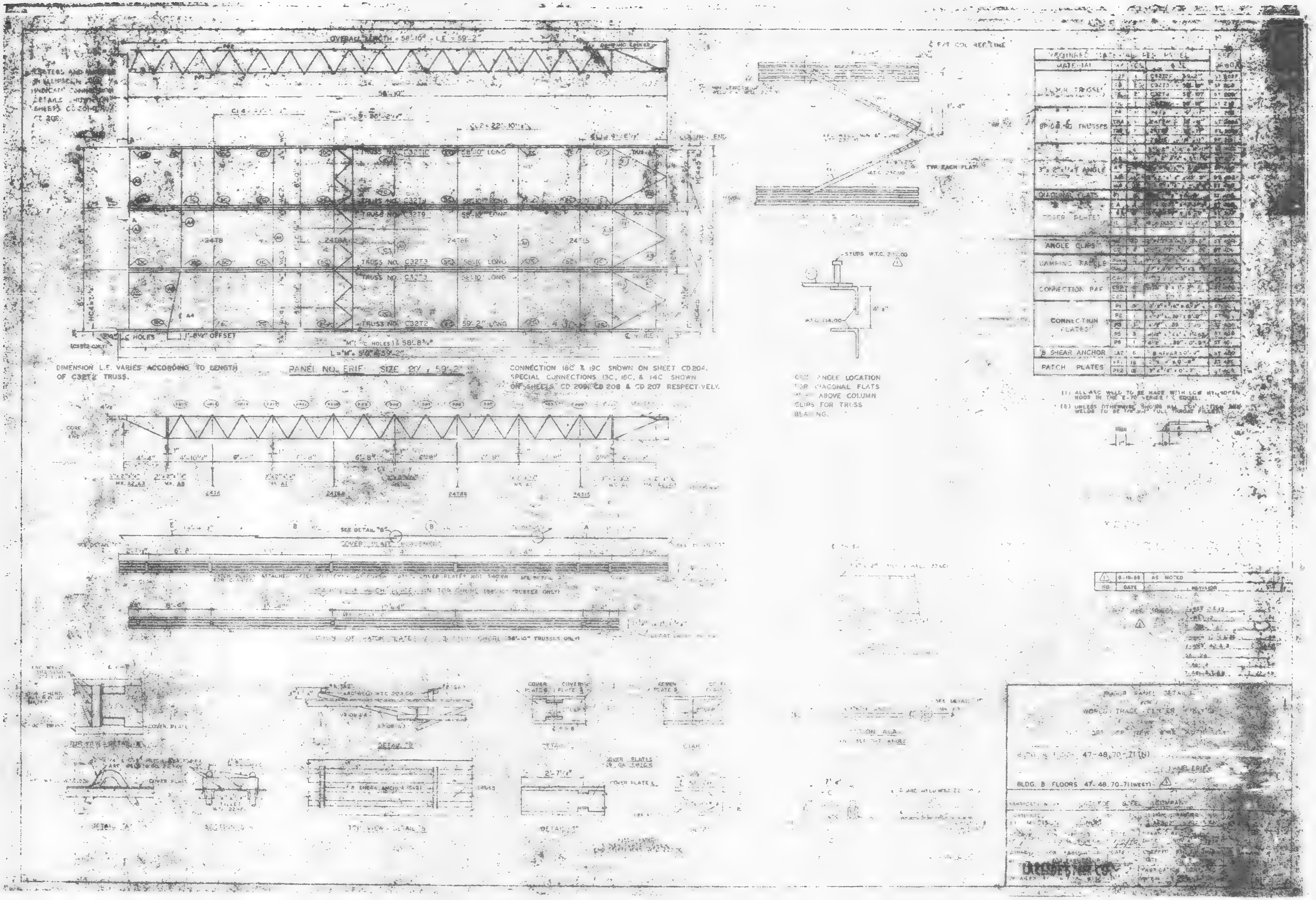
ERIB

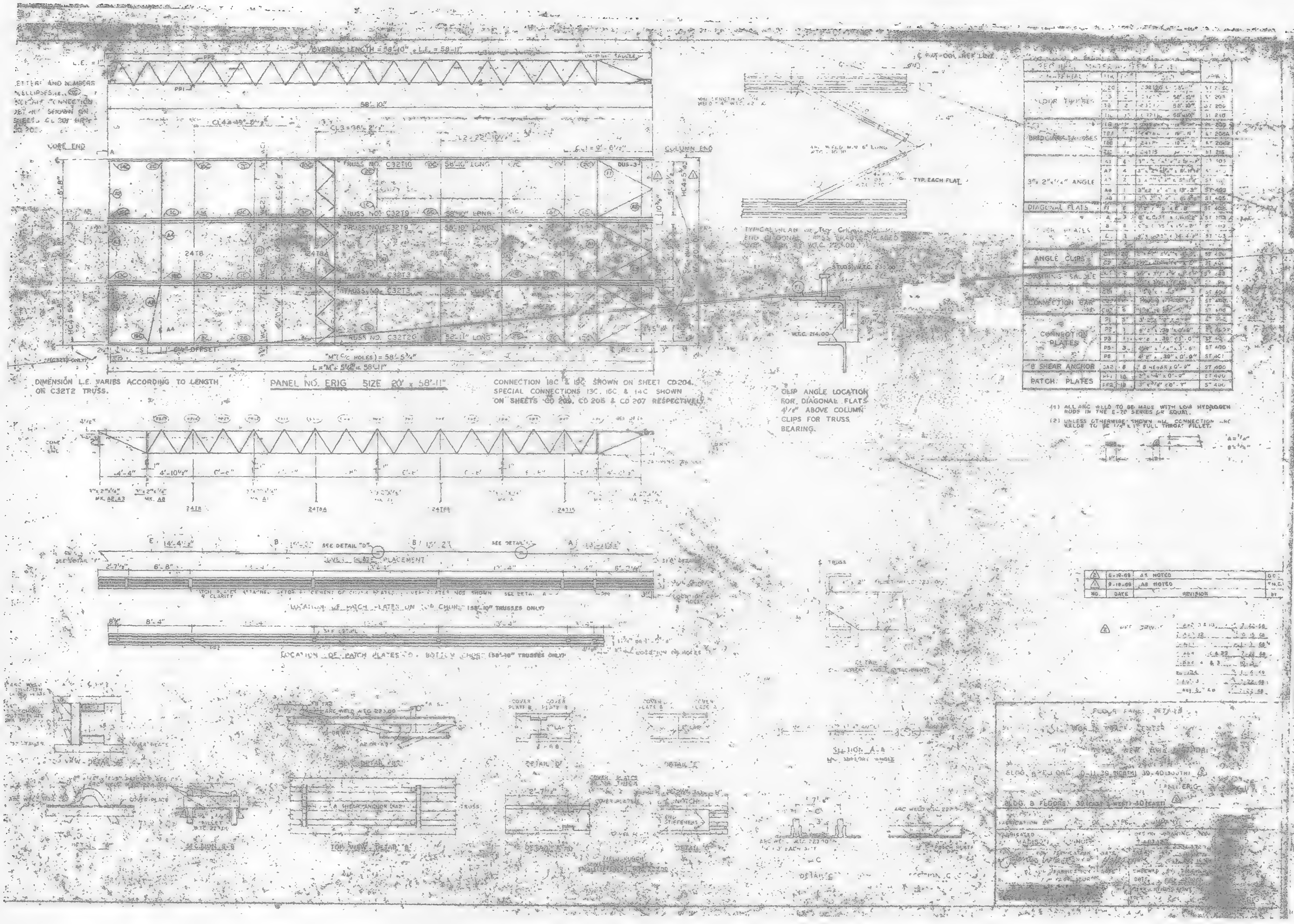


OVERALL LENGTH = 58'-10" - L.E. = 59'-8"
DAMPING SADDLE
58'-10"
C EXT. COL. REF LINE
TRUSS NO. C32T1C
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2C 59'-8" LONG
24T8
24T8A
24T8B
24T15
DUS-3
HOLES
OFFSET
L = "M" + 5 1/2" = 59'-8"
DIMENSION L.E VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIC SIZE 20' x 59'-8"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYP EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4 1/2" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION BAR WELDS TO BE FULL THROAT FILLET.
COVER PLATE PLACEMENT
SEE DETAIL
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
6-19-69 AS NOTED
NO. DATE REVISION
REF. DRWGS.
7-22-68
1-6-69
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
NOTCH
COVER PLATE
ARC WELD W.T.C.
FLOOR PANEL DETAILS
WORLD TRADE CENTER
PORT OF NEW YORK AUTHORITY
BLDG. A FLOOR 50-58, 60-66, 68-74, 80-91, 93-106 (S)
PANEL ERIC
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-106
FABRICATION BY STEEL COMPANY
AT MADISON
DETAILED BY
PANEL ERIC

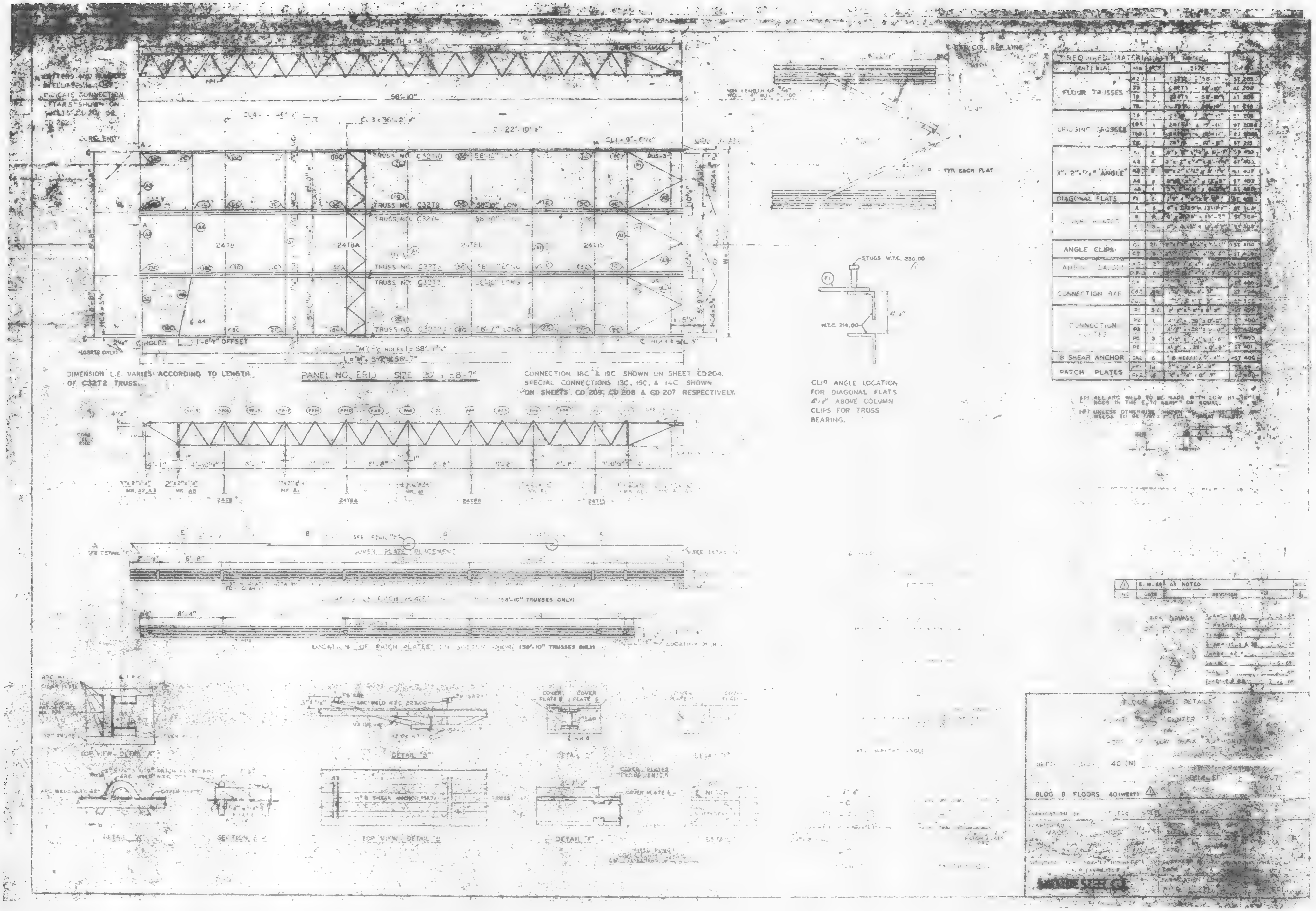


OVERALL LENGTH = 58'-10"
58'-10"
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2E 59'-3" LONG
COLUMN END
℄ HOLES
1'-6¾" OFFSET
"M" (C/C HOLES) = 58'-9¾"
L = "M" + 5½" = 59'-3"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIE SIZE 20' x 59'-3"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
STUDS W.T.C. 230.00
W.T.C. 214.00
3"x 2"x ¼" ANGLE
DIAGONAL FLATS
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
ST 203
ST 209
ST 208
ST 215
ST 403
ST 405
ST 402
ST 303
ST 400
ST 401
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ½" x 1" FULL THROAT FILLET.
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
NO. DATE REVISION BY
AS NOTED
DETAIL "A"
SECTION B-B
TOP VIEW DETAIL "B"
DETAIL "C"
DETAIL "D"
DETAIL "E"
SECTION A-A
10-11 (SOUTH)
PANEL ERIE

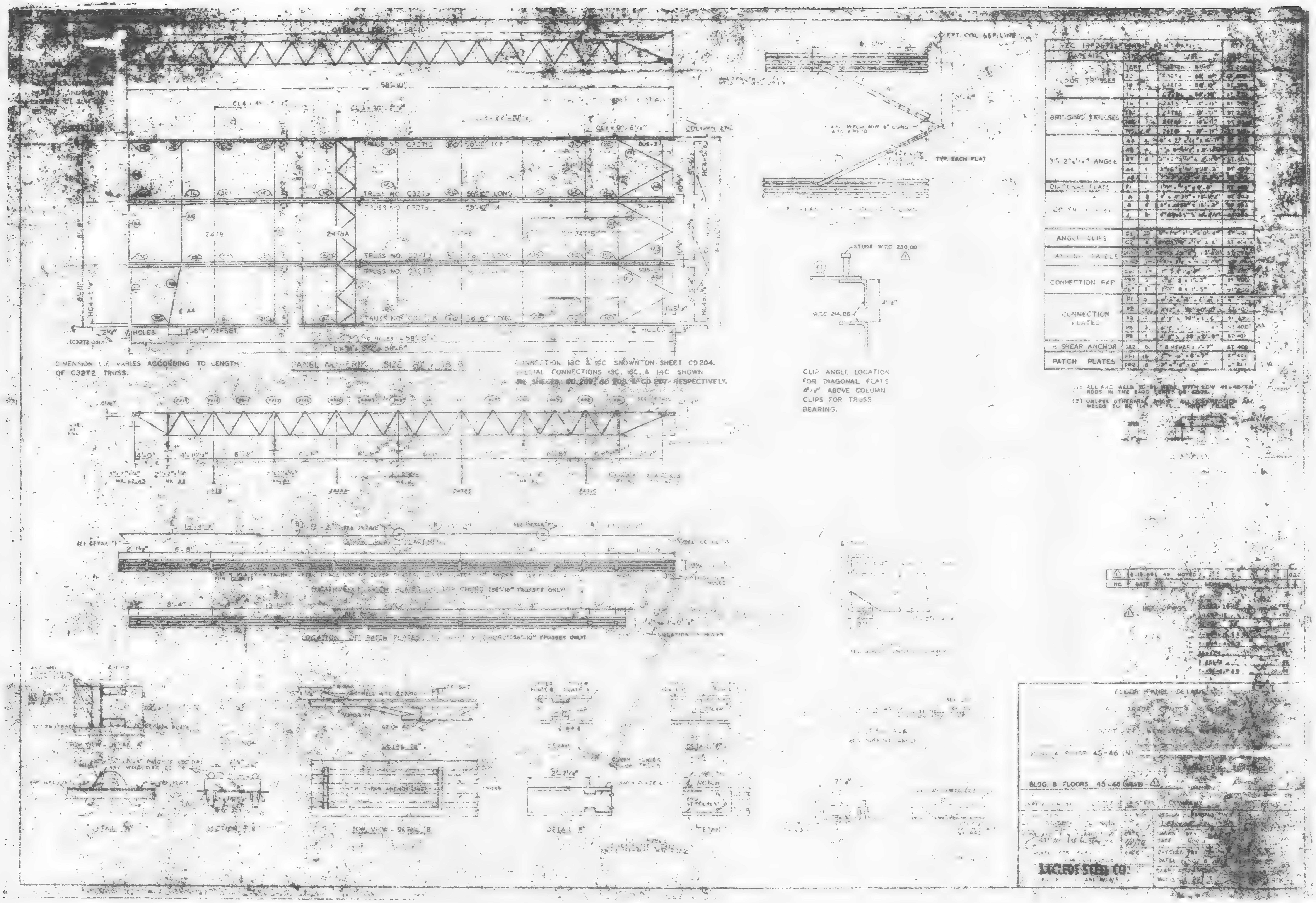

OVERALL LENGTH = 58'-10" • L.E. = 59'-2"
TRUSS NO. C32T1C 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2 59'-2" LONG
1'-8¾" OFFSET
L="M" + 5"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIF SIZE 20' x 59'-2"
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYP. EACH FLAT
STUDS W.T.C. 2'-0" OO
ANGLE LOCATION FOR DIAGONAL FLATS ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATS
ANGLE CLIPS
DAMPING PANELS
CONNECTION BAR
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
SEE DETAIL "B"
COVER PLATE
COVER PLATE
SHEAR ANCHOR
DETAIL "B"
TOP VIEW - DETAIL
NO. DATE REVISION
AS NOTED
FLOOR PANEL DETAILS
WORLD TRADE CENTER
BLDG. B FLOORS 47-48, 70-71 (WEST)
PACIFIC CAR & FOUNDRY CO.
LACLEDE STEEL COMPANY

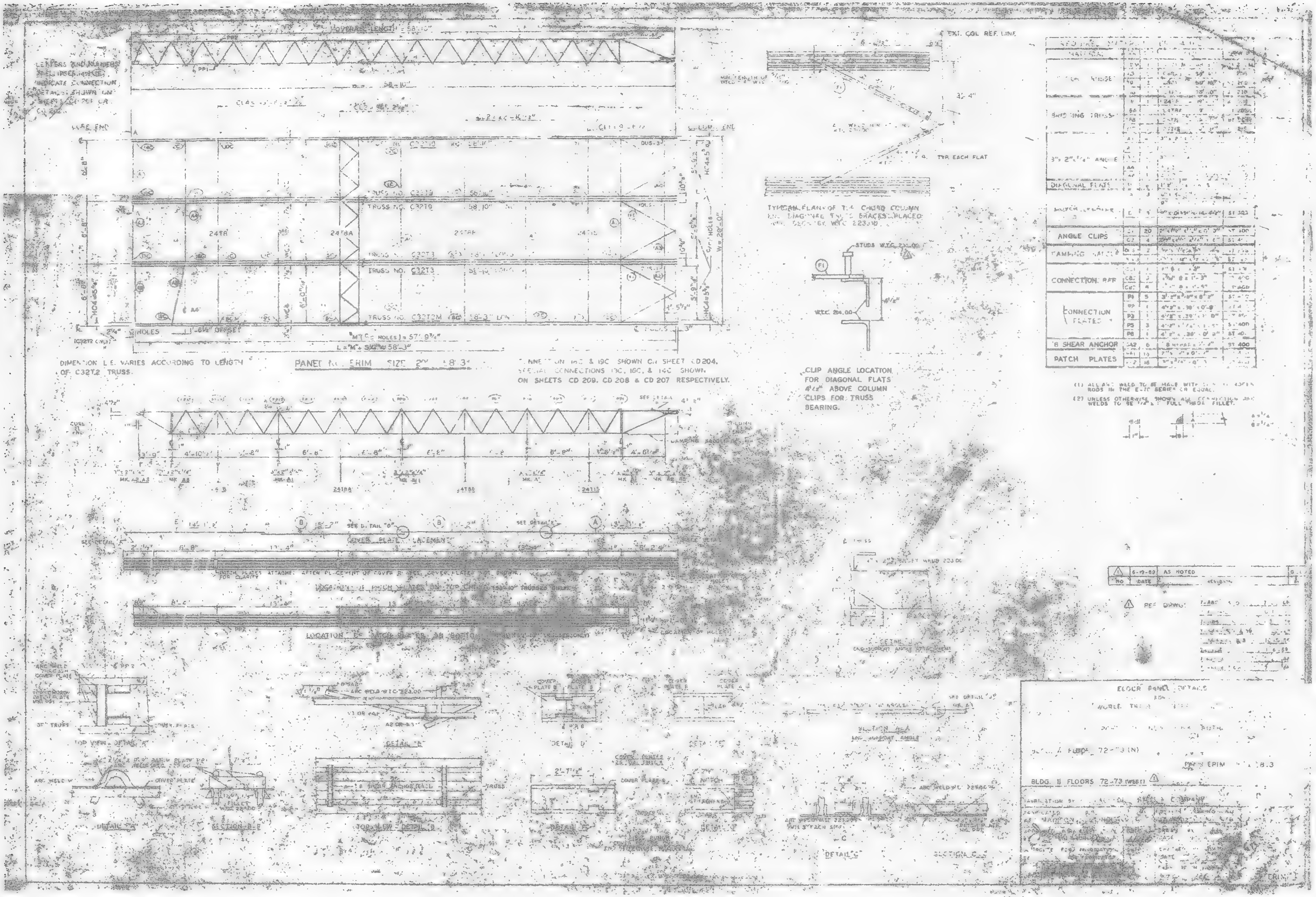


OVERALL LENGTH = 58'-10"
58'-10"
CORE END
COLUMN END
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3
TRUSS NO. C32T2 58'-11" LONG
"M" (C/C HOLES) = 58'-5 3/4"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIG SIZE 20' x 58'-11"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204.
SPECIAL CONNECTIONS 13C, 15C & 14C SHOWN ON SHEETS CD 205, CD 206 & CD 207 RESPECTIVELY.
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/8" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
TYP. EACH FLAT
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATS
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
TOP VIEW DETAIL "B"
SECTION A-A
SECTION B-B
DETAIL "C"
REVISION
DATE

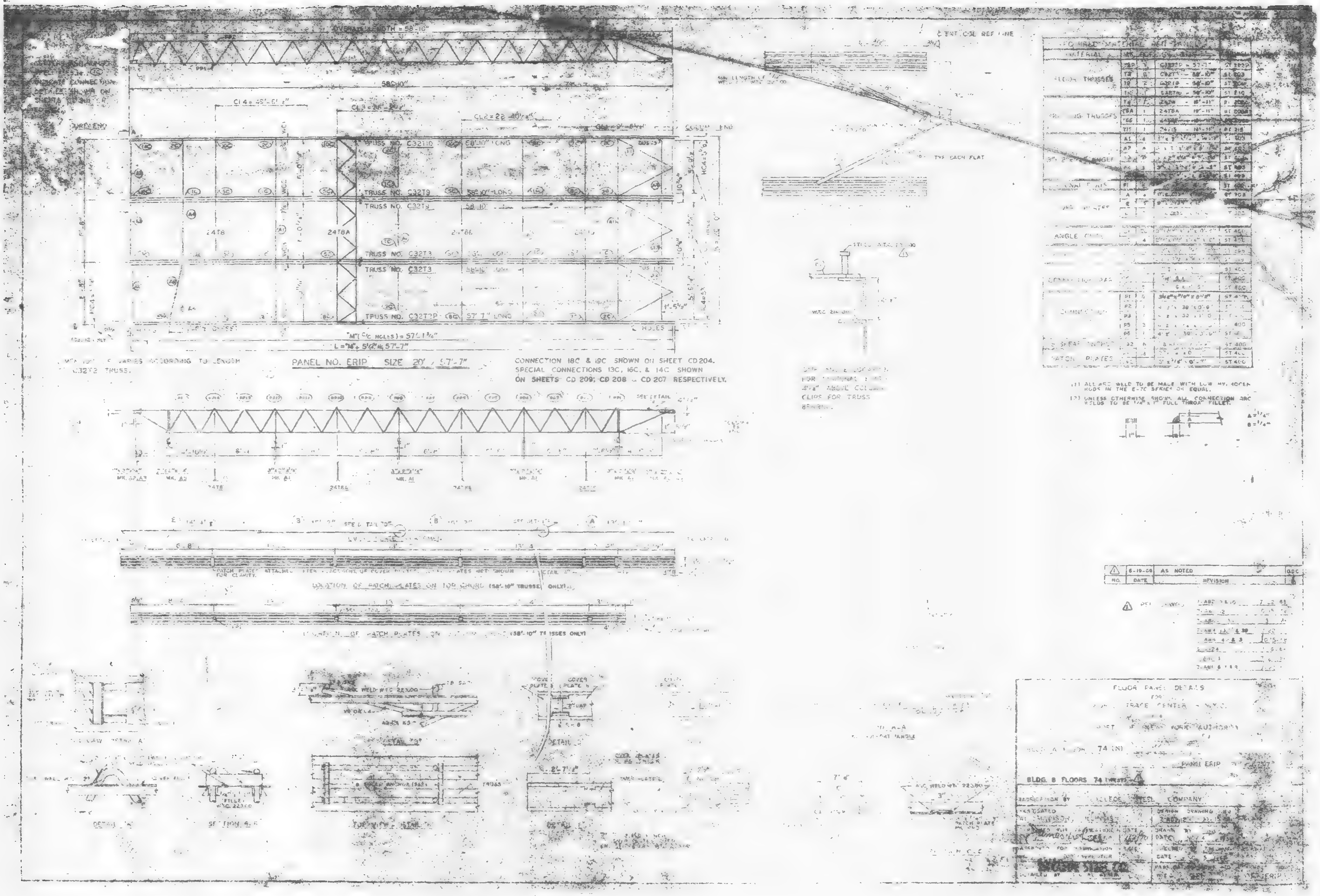


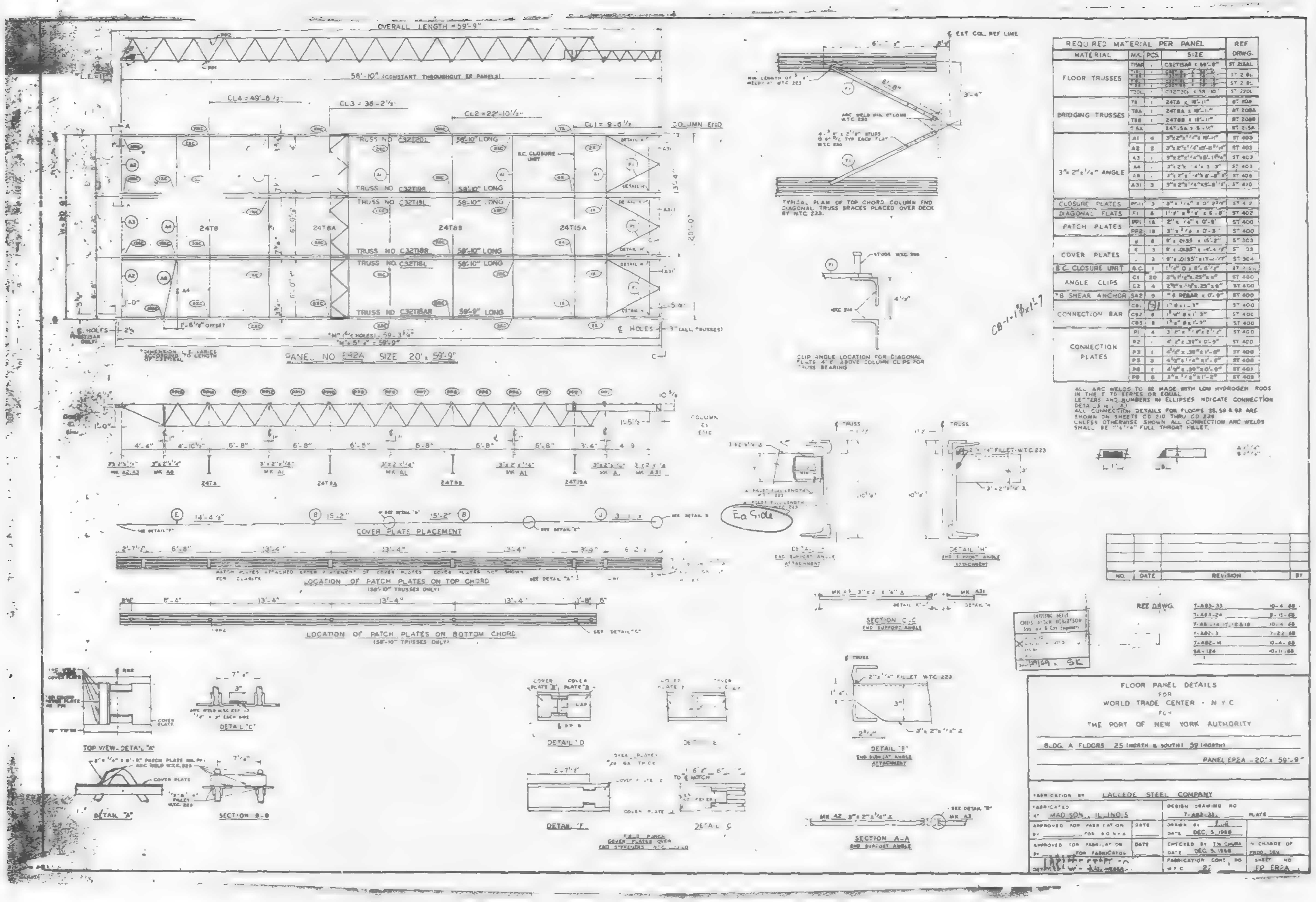
TRUSS NO. C32T10
58'-10" LONG
TRUSS NO. C32T9
TRUSS NO. C32T3
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 15C, & 14C SHOWN ON SHEETS CD 205, CD 206 & CD 207 RESPECTIVELY.
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
FLOOR TRUSSES
DIAGONAL FLATS
ANGLE CLIPS
CONNECTION PLATES
8 SHEAR ANCHOR
PATCH PLATES
5-19-69 AS NOTED
REVISION
DETAIL "B"
FLOOR PANEL DETAILS
BLDG. B FLOORS 40 (WEST)


OVERALL LENGTH = 58'-10"
58'-10"
COLUMN END
TRUSS NO. C32T9
TRUSS NO. C32T13
2478
2478A
HOLES
1'-6½" OFFSET
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIK SIZE 20' x 58'6"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209, CD 208, & CD 207 RESPECTIVELY.
TYP. EACH FLAT
STUDS WTC 230.00
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4⅞" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
FLOOR TRUSSES
BRIDGING TRUSSES
3½ 2"x⅜" ANGLE
DIAGONAL FLATS
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
LOCATION OF PATCH PLATES
TOP VIEW - DETAIL 'B'
DETAIL 'F'
FLOOR PANEL DETAILS
BLDG. A FLOORS 45-46 (N)
BLDG. B FLOORS 45-46
LACLEDE STEEL CO.

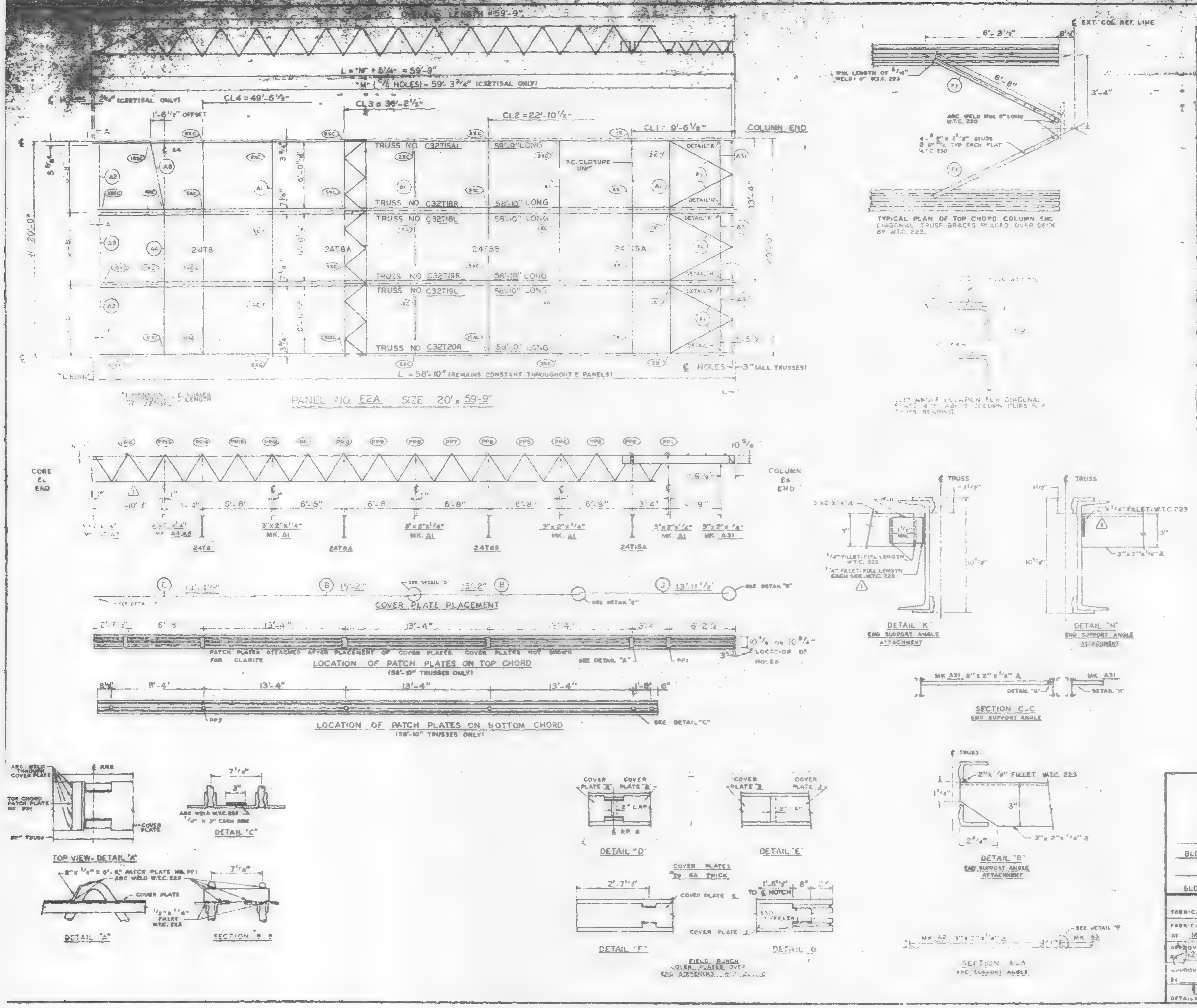


TRUSS NO. C32T9
TRUSS NO. C32T3
TRUSS NO. C32T2M
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
CONNECTIONS 16C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 10C, 18C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATE PLACEMENT
DIAGONAL FLATS
ANGLE CLIPS
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
AS NOTED
FLOOR PANEL DETAILS
BLDG. B FLOORS 72-73 (WEST)
DETAIL "C"
SECTION C-C


OVERALL LENGTH = 58'-10"
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T9
TRUSS NO. C32T3
TRUSS NO. C32T3
TRUSS NO. C32T2P 57'-7" LONG
24T8
24T8A
L = "M" + 5 1/2" = 57'-7"
PANEL NO. ERIP SIZE 20' x 57'-7"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209; CD 208 & CD 207 RESPECTIVELY.
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
FLOOR TRUSSES
BRIDGING TRUSSES
ANGLE CLIPS
CONNECTION PLATES
PATCH PLATES
6-19-68 AS NOTED
NO. DATE REVISION
FLOOR PANEL DETAILS
BLDG. 8 FLOORS 74
PANEL ERIP
COMPANY



OVERALL LENGTH = 59'-9"
58'-10" (CONSTANT THROUGHOUT EP PANELS)
PANEL NO. EP2A SIZE 20' x 59'-9"
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
COVER PLATE PLACEMENT
REQUIRED MATERIAL PER PANEL
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "C"
DETAIL "D"
DETAIL "F"
DETAIL "B"
SECTION A-A
SECTION C-C
REF. DRWG.
7-A83-33 10-4-68
7-A83-24 8-15-68
7-A8-14, 17, 18 & 19 10-4-68
7-A82-3 7-22-68
7-A82-14 10-4-68
SA-124 10-11-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
PANEL EP2A - 20' x 59'-9"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-33
DRAWN BY
DATE DEC. 5, 1968
CHECKED BY
DATE DEC. 5, 1968
SHEET NO. EP EP2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15AL	1	C32T15AL x 59'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	ST 208
	T8A	1	24T8A x 19'-11"	ST 208A
	T8B	1	24T8B x 19'-11"	ST 208B
	T15A	1	24T15A x 19'-11"	ST 215A
3"x2"x1/4" ANGLE	A1	4	3"x2"x1/4" x 19'-[illegible]"	ST 403
	A2	2	3"x2"x1/4" x 5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4" x 5'-[illegible] 3/4"	ST 403
	A4	1	3"x2"x1/4" x 13'-3"	ST 403
	A8	1	3"x2"x1/4" x 6'-8 3/8"	ST 405
	A31	3	3"x2"x1/4" x 5'-8 1/4"	ST 410
CLOSURE PLATES	PC-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-3"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	F	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" Ø x 6'-6 1/2"	ST 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	8	1 3/8" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 58 & 92 ARE SHOWN ON SHEETS CD 216 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1/4" FULL THROAT FILLET.

NO	DATE	REVISION	BY
2	7-1-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF DRWG.	
7-AB3-32	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-62
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL E2A - 20' x 59'-9"

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) 2

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB2-32 PLATE

APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE

DRAWN BY DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE DEC. 5, 1968

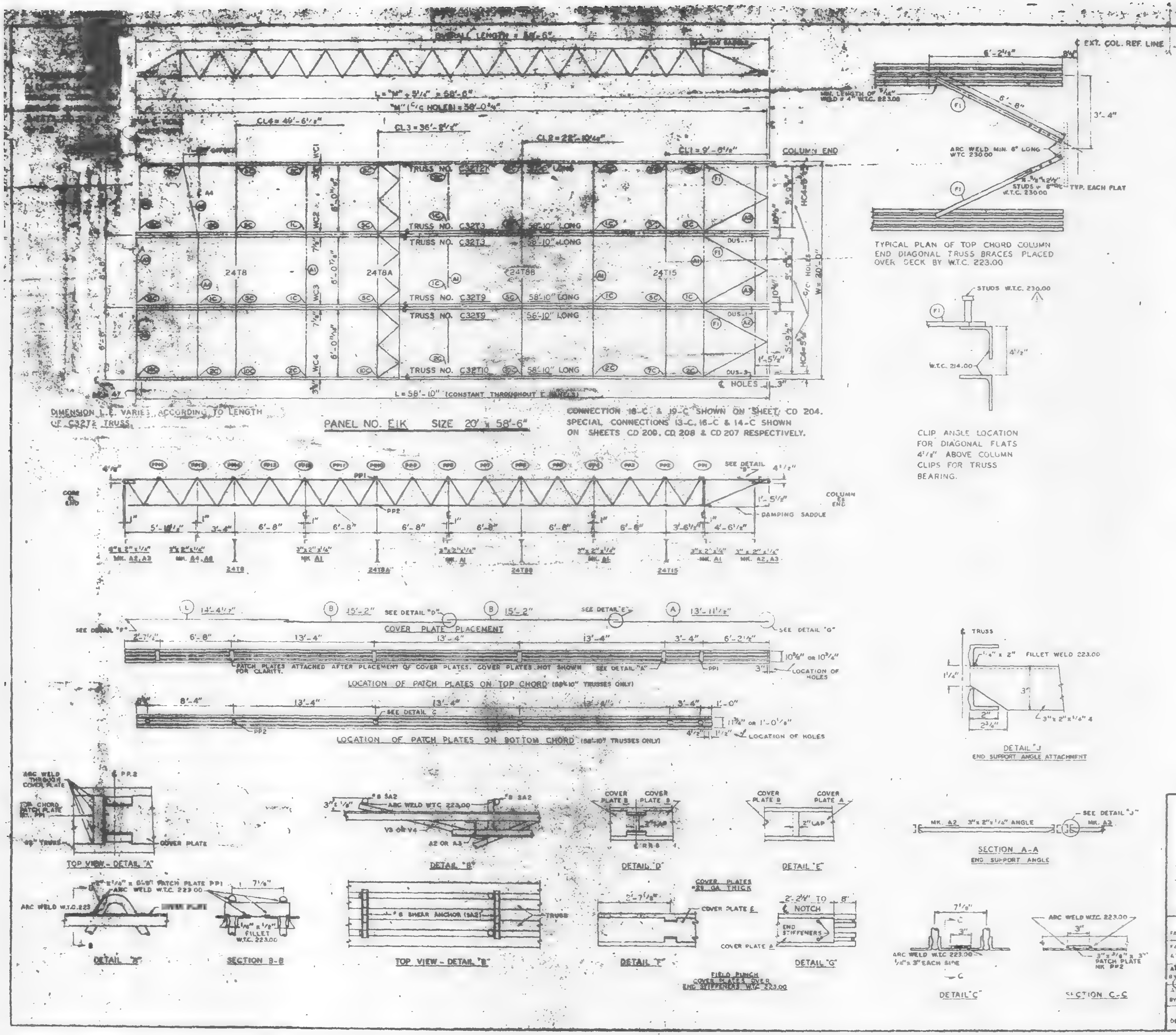
IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.

DETAILED BY A.C. MILLER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP E2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 6'-1[illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 9'-4[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 3/4"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-5 3/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-5 3/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 1/8" ϕ x 1'-3"	ST 400
	CB3	6	1 1/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	[illegible]	1	[illegible]	ST 400
	[illegible]	1	[illegible]	ST 400
	P5	3	4 1/2" x 1/4" x [illegible]	ST 400
	P6	1	4 1/2" x .3[illegible]" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-[illegible]"	[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/8" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	8-18-69	AS NOTED	G.D.C

(1) REF. DRWGS.

7-A82-3 & 11	7-22-68
7-A83-11	10-15-68
7-A84-31	1-3-[illegible]
7-A84-15 & 16, 30	7-22-6[illegible]
7-A84-42 & 3	10-15-68
SA-124	1-6-69
7-A81-3	7-22-68
7-A81-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46 (N)

PANEL EIK - [illegible] x 58'-6"

BLDG. B FLOORS 46 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 A63-11

APPROVED FOR FABRICATION BY James White [illegible] DATE 1/2/70

DRAWN BY gdc DATE NOV. 1, 1968

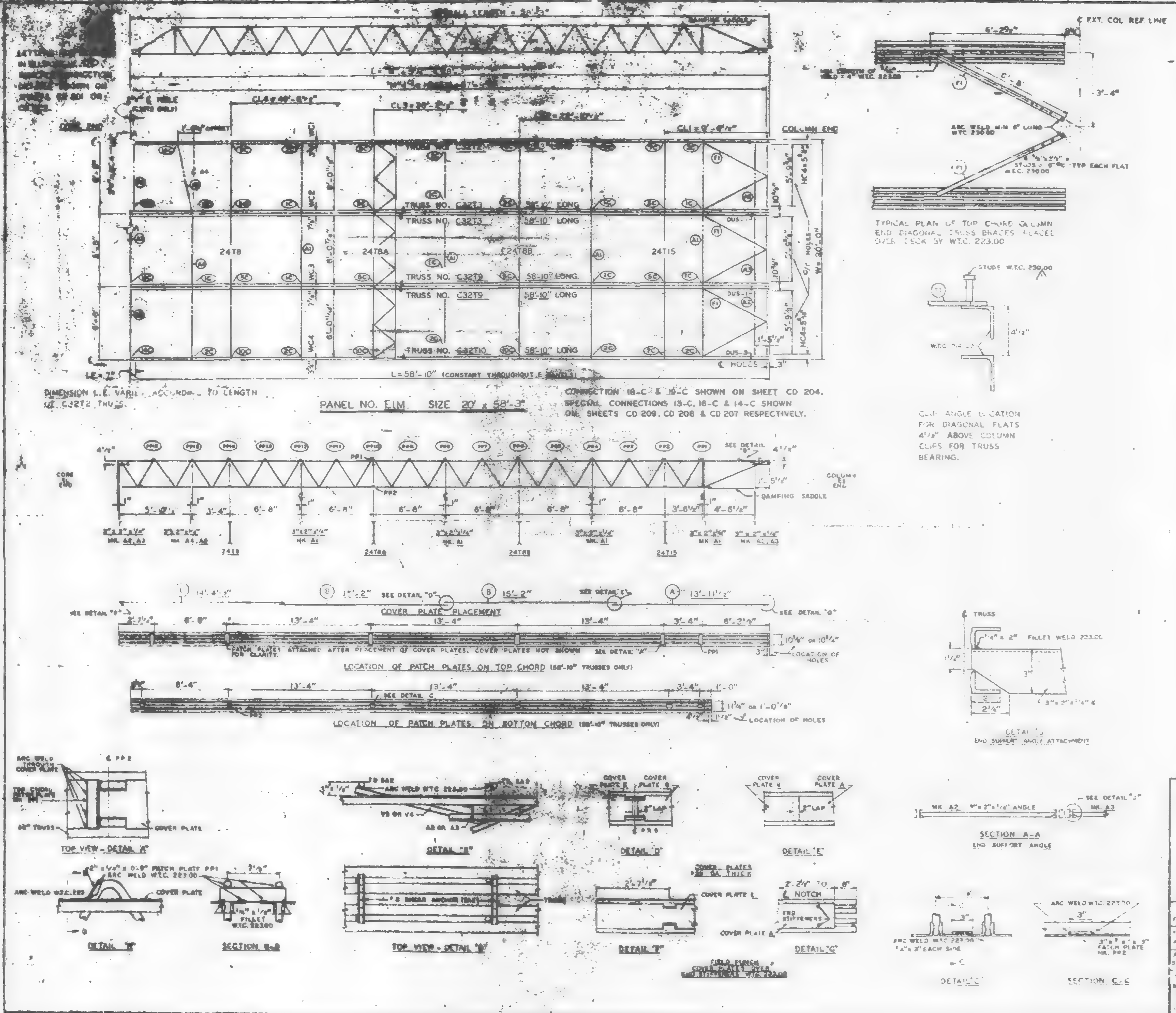
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE

CHECKED BY T.M.CHURA DATE NOV. 4, 1968

DETAILED BY A. CARL WEBER

FABRICATION CONT. NO. 221

SHEET NO. FP EIK



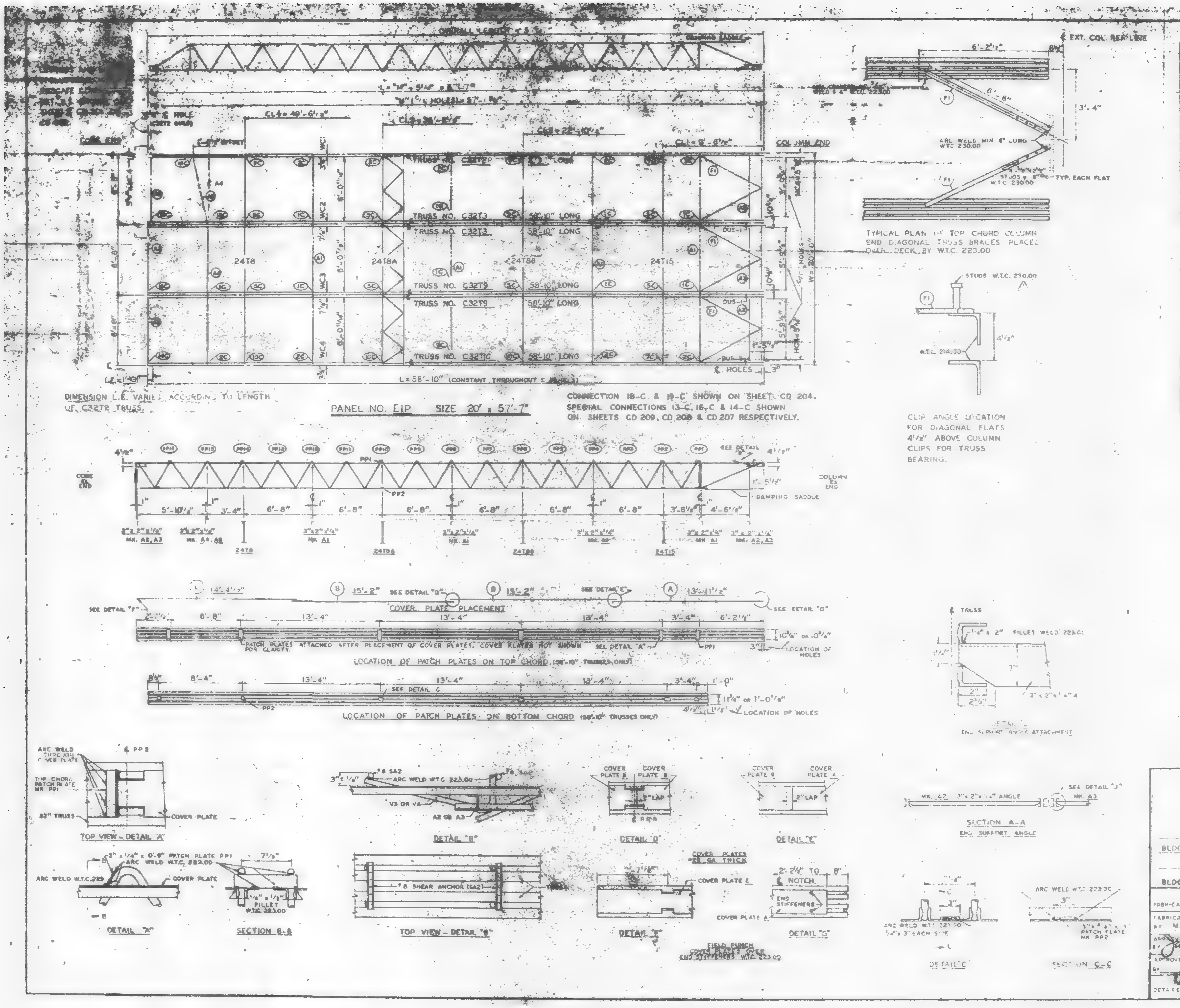
REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2M	1	C32T2M - 58'-3"	ST 202M
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 8'-[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 9'-[illegible]	ST 403
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	ST 402
COVER PLATES	A	3	6" x .0135" x 13'-11½"	ST 303
	B	8	6" x .0138" x 15'-2"	ST 303
	E	[illegible]	6" x .0135" x 14'-4 ½"	ST 303
[illegible]	C1	20	[illegible]	ST 40[illegible]
	C2	4	[illegible]	ST 40[illegible]
DAMPING SADDLES	[illegible]	2	[illegible]	ST 266
	[illegible]	[illegible]	[illegible]	ST 2[illegible]
CONNECTION BAR	[illegible]	[illegible]	[illegible]	ST 4[illegible]
	[illegible]	[illegible]	[illegible]	ST 40[illegible]
	[illegible]	6	[illegible]	ST 4[illegible]
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	ST 40[illegible]
	[illegible]	[illegible]	[illegible]	ST 4[illegible]
	[illegible]	[illegible]	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	ST 401
8 SHEAR [illegible]	SA2	6	[illegible]	[illegible]
PATCH PLATES	[illegible]	16	2" x [illegible]	ST 40[illegible]
	PP2	10	3" x [illegible]	ST 40[illegible]

(1) ALL ARC WELD TO BE MADE WITH LOW [illegible] RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 (N)
PANEL [illegible] 58 3
BLDG. B FLOORS 72-73 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. [illegible] AB241
APPROVED FOR FABRICATION FOR PORT A. — DATE 1/4/70
DRAWN BY [illegible] DATE NOV. 1, 1968
APPROVED FOR FABRICATION BY TOP FABRICATOR — DATE
CHECKED BY [illegible] DATE NOV. 4, 1968
DETAILED BY LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E1M



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2P	1	C32T2P - 57'-7"	ST 202P
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A4	1	3" x 2" x ¼" x 19'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-5⅜"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 8'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIP	C1	26	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x [illegible]	ST 298
	DUS-3	1	3½" x 3½" x [illegible]	ST 298
CONNECTION BAR	CB1	1	1" ø x 1'-3"	ST 400
	CB2	8	[illegible] ø x 1'-3"	ST 400
	CB3	6	[illegible] ø x 1'-5"	ST 400
CONNECTION PLATES	F1	5	[illegible]	ST 400
	F2	1	[illegible]	ST 400
	F3		[illegible]	ST 400
	F5	3	[illegible] x 1'-8"	ST 400
	F6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	[illegible]	ST 400
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	3" x ⅛" x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO	DATE	REVISION
1	6-18-69	AS NOTED

REF. DWGS.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 74 (N)

PANEL E1P 20' x 57'-7"

BLDG. B FLOORS 74 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB7-11

APPROVED FOR FABRICATION BY James [illegible] DATE 1/2/70

DRAWN BY [illegible] DATE NOV. 1, 1968

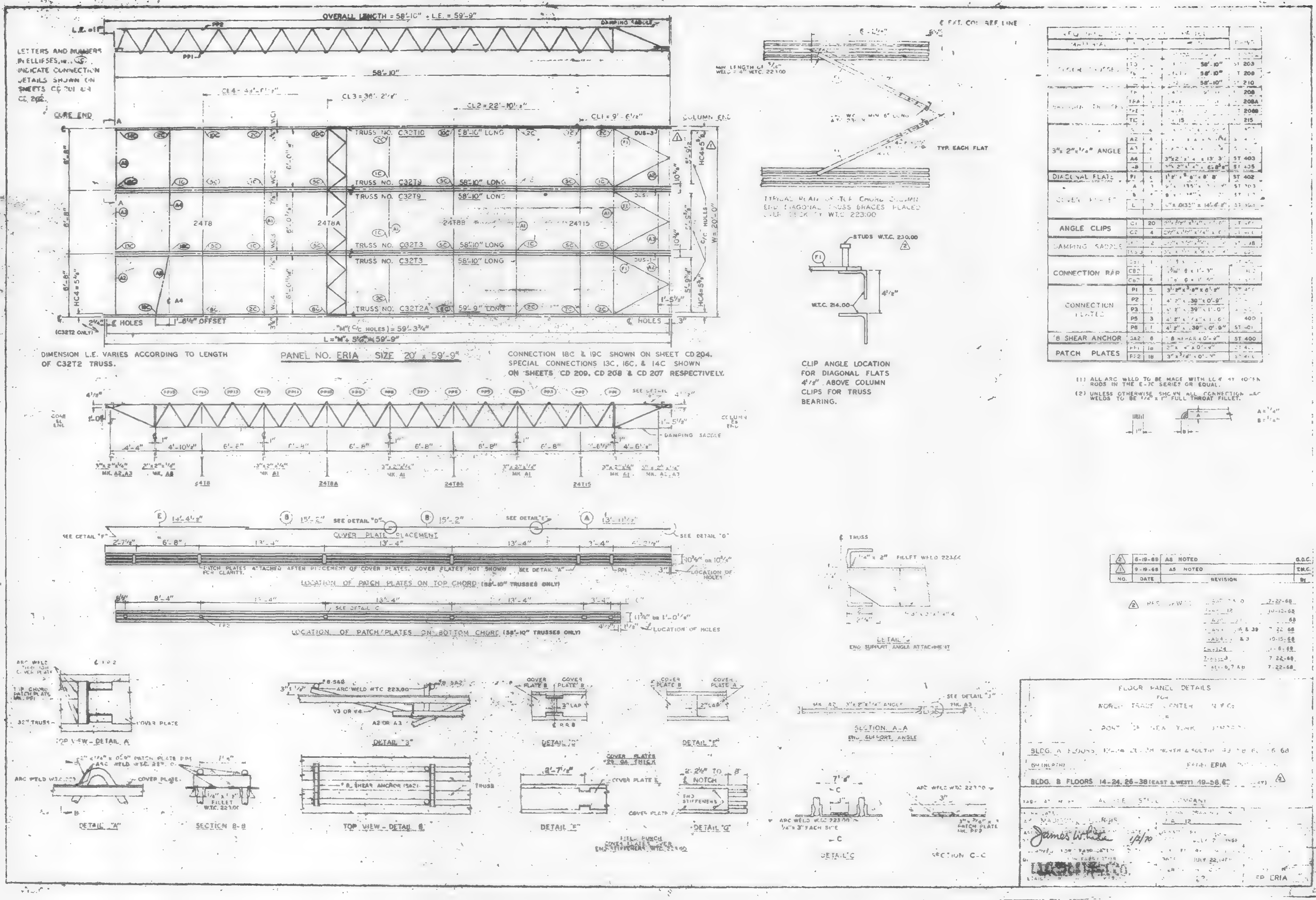
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

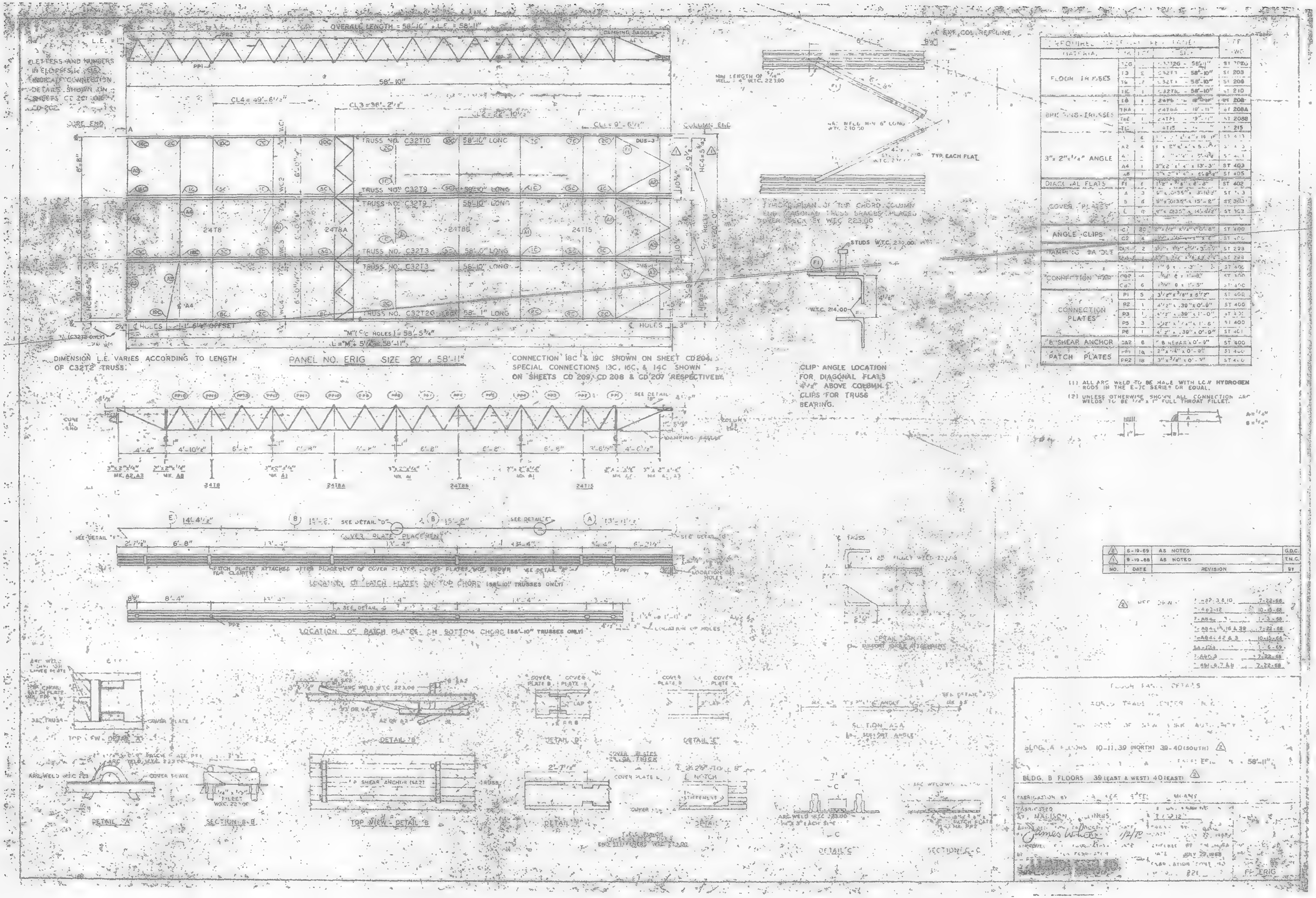
CHECKED BY T.M.CHURA DATE NOV. 4, 1968

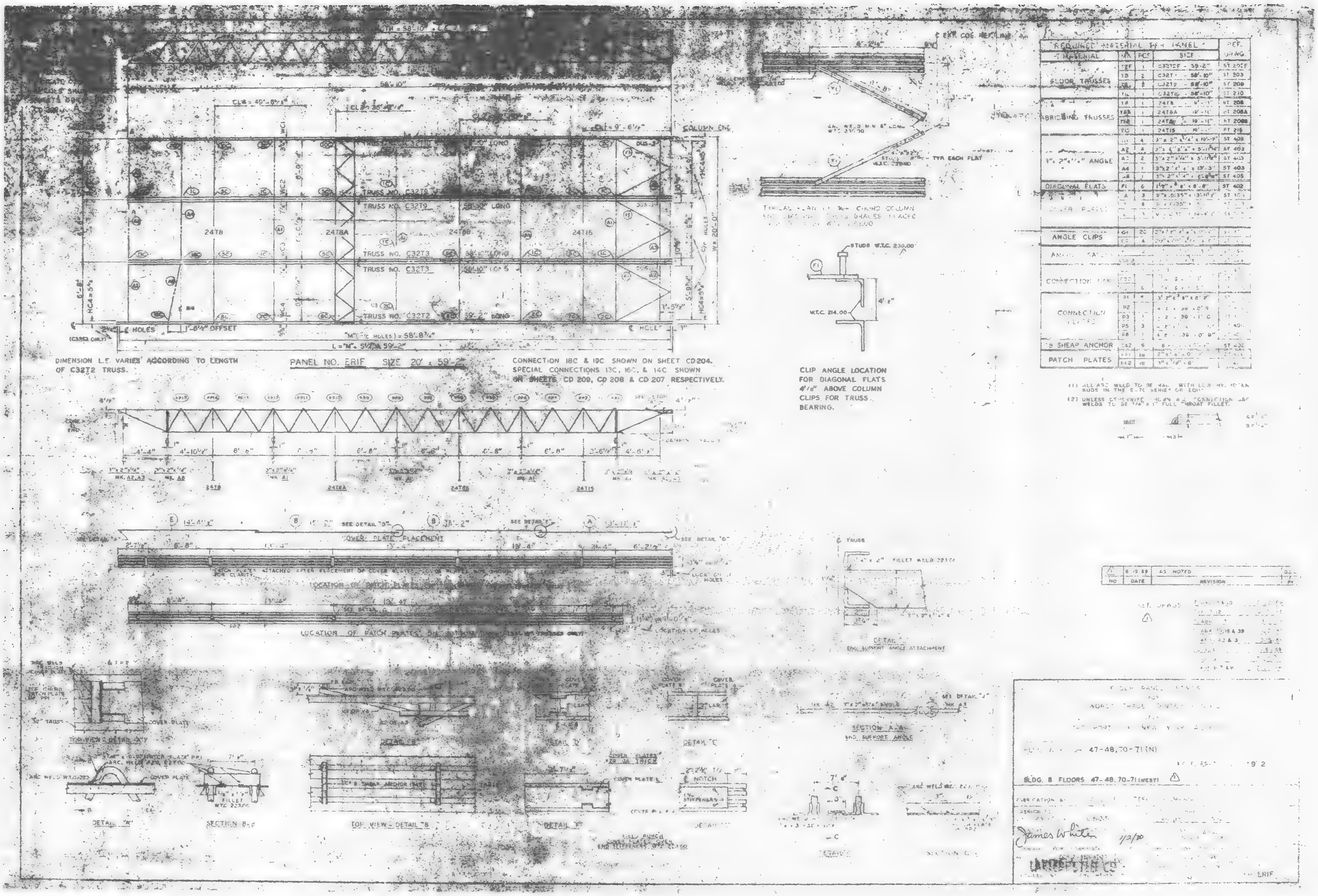
FABRICATION CONT. NO. W.T.C. 221

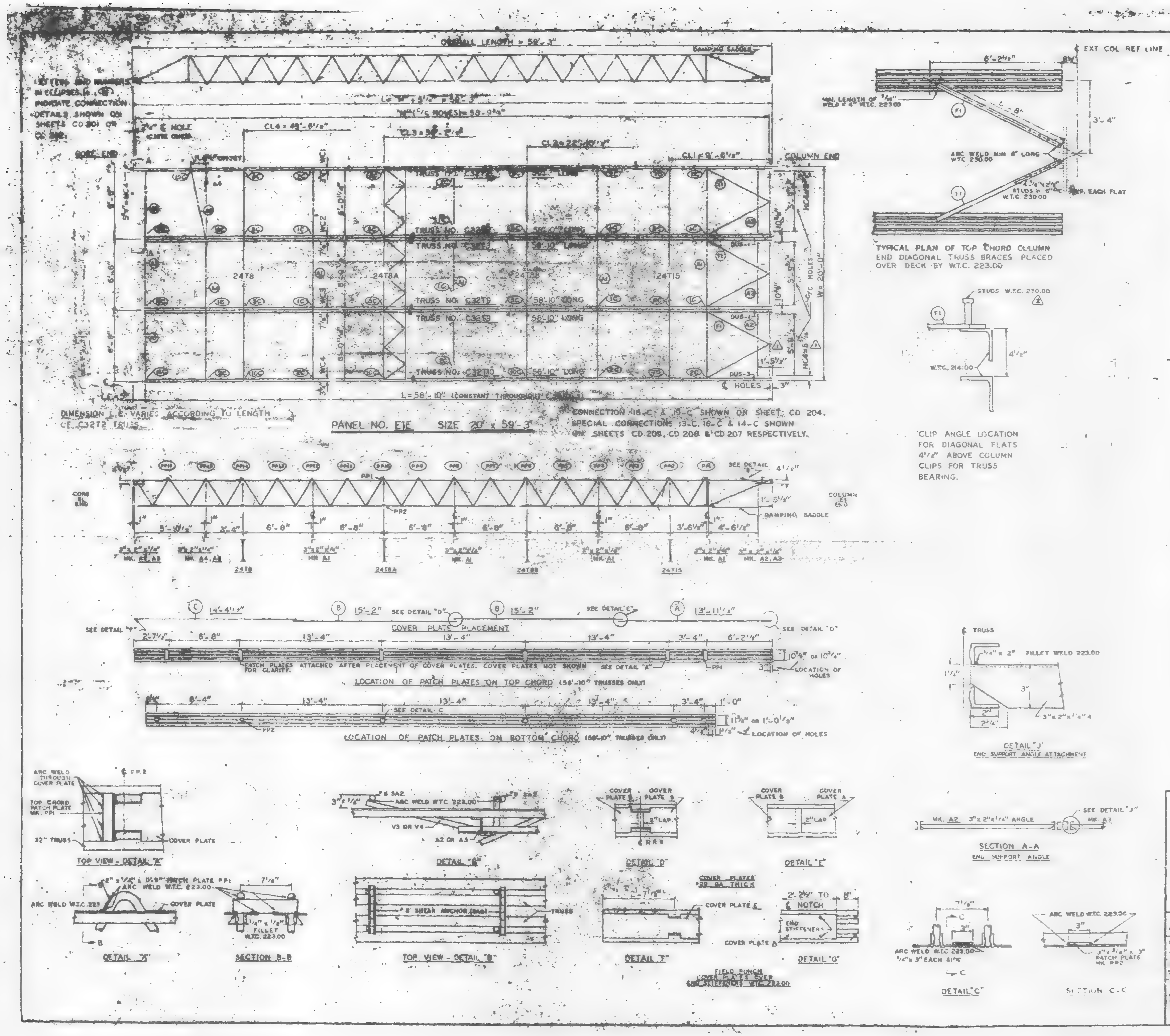
DETAILED BY [illegible]

SHEET NO. FP E1P


OVERALL LENGTH = 58'-10" + L.E. = 59'-9"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e. INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
58'-10"
CL3 = 36'-2"
CL2 = 22'-10"
CL1 = 9'-6½"
CORE END
COLUMN END
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2A 59'-9" LONG
24T8
24T8A
24T8B
24T15
W = 20'-0"
1'-6¼" OFFSET
℄ HOLES
(C32T2 ONLY)
"M" (C/C HOLES) = 59'-3¾"
L = "M" + 5⅝" = 59'-9"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIA SIZE 20' x 59'-9"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
DAMPING SADDLE
COVER PLATE PLACEMENT
SEE DETAIL "F"
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "G"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
TYP. EACH FLAT
TYPICAL PLAN OF TOP CHORD SHOWING END DIAGONAL TRUSS BRACES PLACED W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
3" x 2" x ¼" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
⅝ SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.
2 | 8-19-68 | AS NOTED
1 | 9-19-68 | AS NOTED
NO. | DATE | REVISION
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
TOP VIEW - DETAIL A
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL B
DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLE
DETAIL C
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
PORT OF NEW YORK AUTHORITY
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 6?
PANEL ERIA
James White 1/2/70
JULY 22, 1968
ER ERIA


OVERALL LENGTH = 58'-10" + L.E. = 58'-11"
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 & CD 202
CORE END
COLUMN END
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2G 58'-1" LONG
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIG SIZE 20' x 58'-11"
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
CLIP ANGLE LOCATION FOR DIAGONAL FLATS ABOVE COLUMN. CLIPS FOR TRUSS BEARING.
TYP. EACH FLAT
STUDS W.T.C. 230.00
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
2 6-19-69 AS NOTED
1 9-19-68 AS NOTED
NO. DATE REVISION BY
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
DETAIL "C"
SECTION C-C
BLDG. A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH)
58'-11"
BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST)
JULY 22, 1968
221
FP ERIG


PANEL NO. ERIF SIZE 20' x 59'-2"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TRUSS NO. C32T9
TRUSS NO. C32T3
TRUSS NO. C32T2
24T8
24T8A
24T15
"M" (C HOLES) = 58'-8¾"
L = "M" + 5¼" = 59'-2"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
STUDS W.T.C. 230.00
W.T.C. 214.00
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES
REQUIRED MATERIAL PER PANEL
MATERIAL
SIZE
FLOOR TRUSSES
BRIDGING TRUSSES
ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
SECTION A-A
END SUPPORT ANGLE
SECTION C-C
BLDG. B FLOORS 47-48, 70-71 (WEST)
ERIF



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2E	1	C32T2E - 52'-3"	ST 202E
	T3	[illegible]	C32T3 - [illegible]	ST 203
	T9	2	C32T9 - [illegible]	ST 209
	T10	[illegible]	C32T10 - [illegible]	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-[illegible]	ST 403
	A3	2	3"x 2"x 1/4"x 5'-[illegible]	ST 403
	A4	[illegible]	[illegible]	ST 403
	A8	1	3"x 2"x 1/4"x [illegible]	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	C	3	9"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2"x 1/4"x 0'-8"	ST 400
	C2	4	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
DAMPING SADDLE	DUS-4	2	[illegible]	ST 228
	DUS-3	[illegible]	[illegible]	ST 228
CONNECTION BAR	CB1	1	1" Ø x 1'-3"	ST 400
	CB2	3	[illegible] Ø x 1'-3"	ST 400
	CB3	6	[illegible] Ø x 1'-5"	ST 400
CONNECTION PLATES	F1	5	[illegible]	ST 400
	F2	1	[illegible]	ST 400
	F3	1	[illegible]	ST 400
	F5	3	[illegible]	ST 400
	PC	1	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	18	2"x [illegible]	ST 400
	PP2	18	3"x 3/8"x [illegible]	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. [illegible] RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

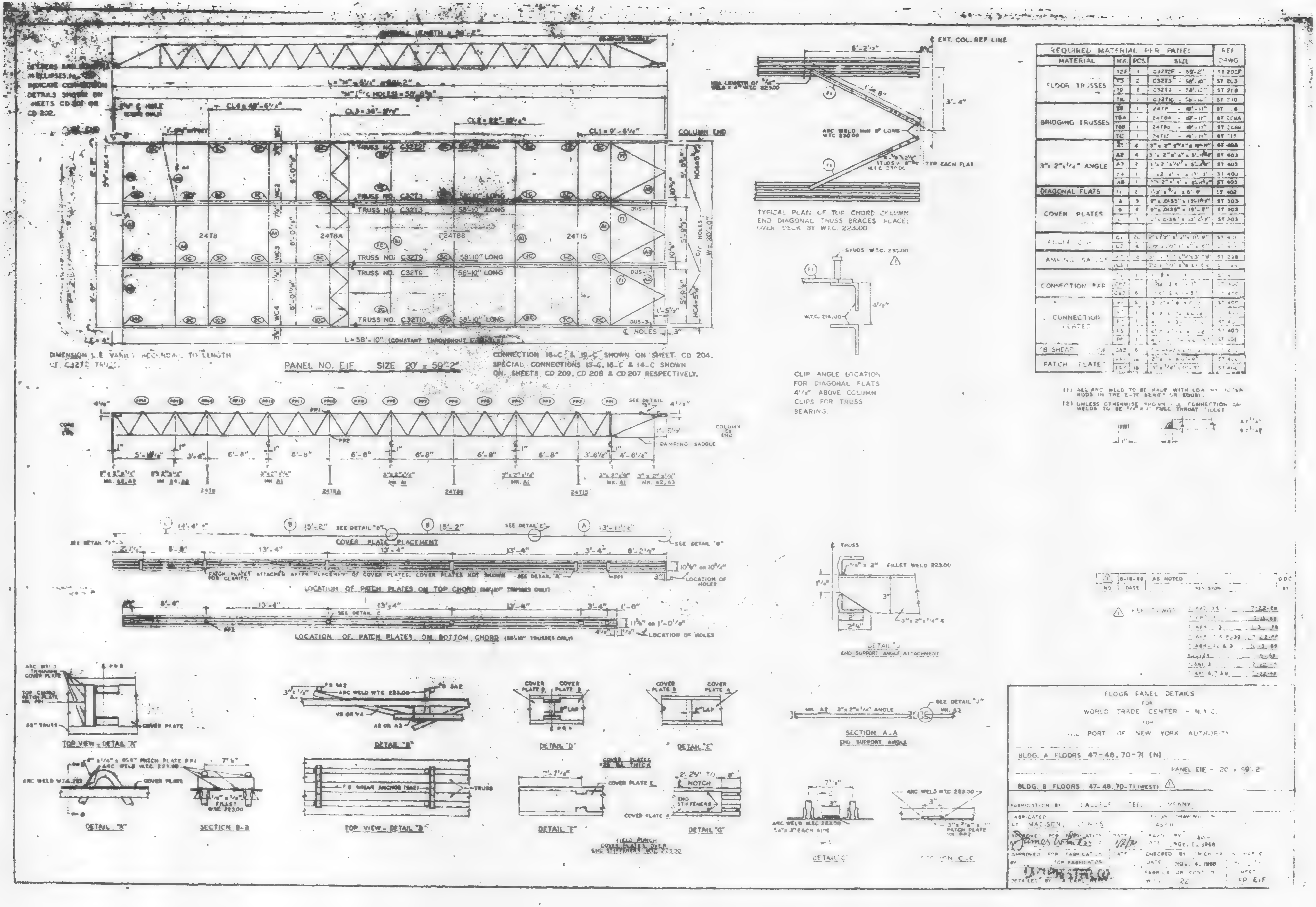
NO	DATE	REVISION
2	5-18-69	AS NOTED
1	9-19-68	AS NOTED

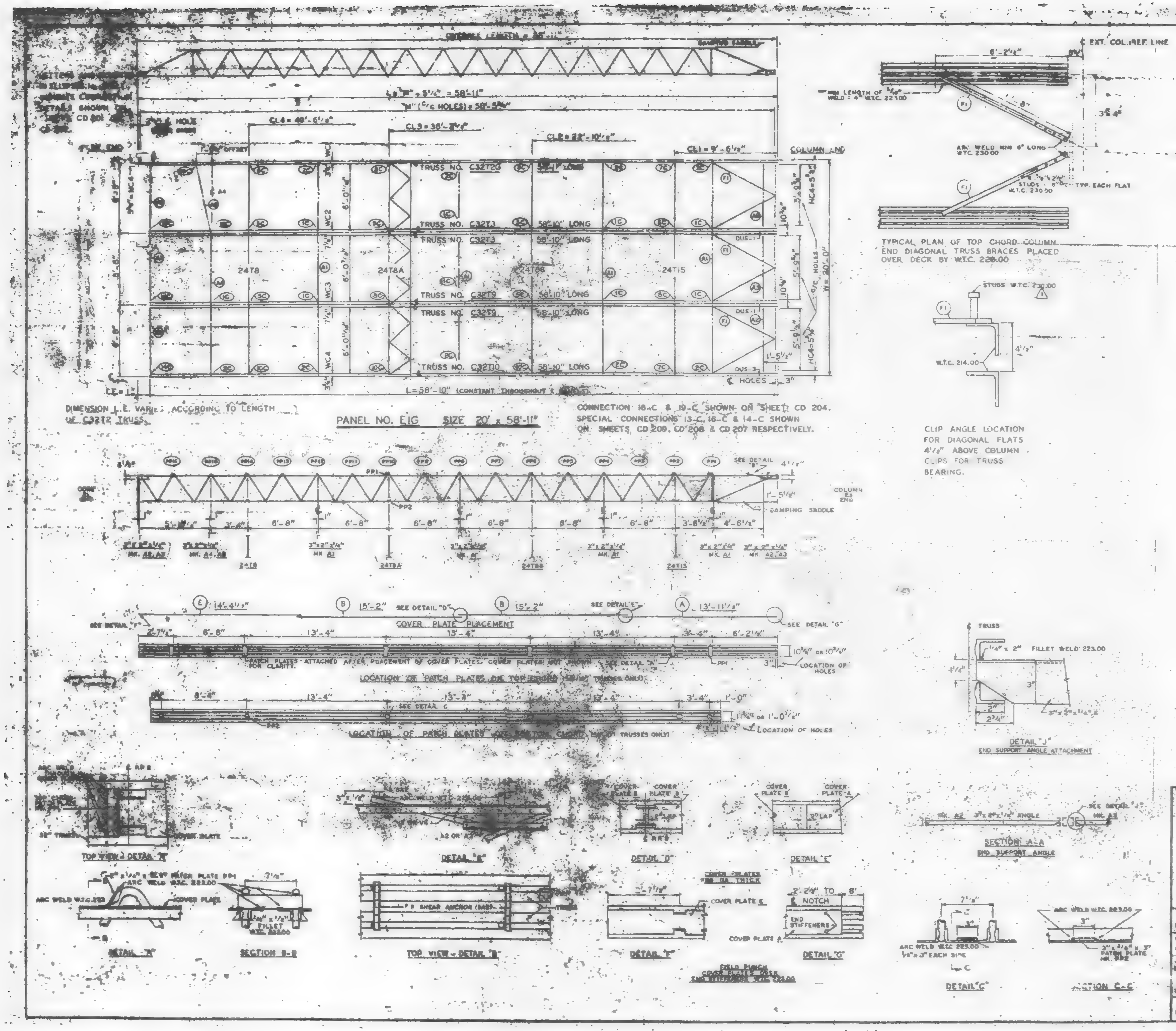
REF. DRWGS.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
69 (NORTH) PANEL EE - [illegible] 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION — James White — DATE 1/2/70
DESIGN DRAWING NO. 7-AB2 11
DRAWN BY [illegible] DATE JULY 22, 1968
CHECKED BY [illegible] DATE JULY 22, 1968
DETAILED BY A. CARL WEBER
SHEET NO. FP E1E


PANEL NO. E1F SIZE 20' x 59'-2"
COLUMN END
TRUSS NO. C32T2F
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T10 58'-10" LONG
24T8
24T8A
24T8B
24T15
L = 58'-10" (CONSTANT THROUGHOUT E-SERIES)
DIMENSION L.E VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
CONNECTION 18-C & 19-C SHOWN ON SHEET CD 204.
SPECIAL CONNECTIONS 13-C, 16-C & 14-C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
EXT. COL. REF LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
MATERIAL | MK. | PCS. | SIZE | REF DRWG
FLOOR TRUSSES | T2F | 1 | C32T2F - 59'-2" | ST 202F
T3 | 2 | C32T3 - 58'-10" | ST 203
T9 | 2 | C32T9 - 58'-10" | ST 209
T10 | 1 | C32T10 - 58'-10" | ST 210
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
CONNECTION PLATES
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "B"
TOP VIEW - DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 47-48, 70-71 (N)
PANEL E1F - 20 x 59'-2
BLDG. B FLOORS 47-48, 70-71 (WEST)
DATE NOV. 1, 1968
CHECKED BY
DATE NOV. 4, 1968
FP E1F



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2G	1	C32T2G - 58'-11"	ST 202G
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-1"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-1"	ST 403
	A4	1	3"x 2"x 1/4"x 1'-3"	ST 403
	A8	1	3"x 2"x 1/4"x 6'-8 3/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
COVER PLATES	A	3	8"x .0135"x 13'-11 1/2"	ST 303
	B	6	8"x .0135"x 15'-2"	ST 303
	E	3	8"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	4	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-7/8"	ST 288
	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 288
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/8" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 3/8"x 1'-1/2"	ST 400
	P2	1	4 1/2"x .34"x 0'-9"	ST 400
	P3	1	4 1/2"x .34"x 1'-0"	ST 400
	P5	3	4 1/2"x 1/4"x 1'-6"	ST 400
	P6	1	4 1/2"x .34"x 0'-9"	ST 401
#8 SHEAR [illegible]	SA2	6	#8 REBAR x 0'-6"	ST 400
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	6-18-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-11	10-15-68
7-AB4-3,1	1-3-68
7-AB4-15 & 16,38	7-22-68
7-AB4-42 & 3	10-15-68
SA-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (N&S)

PANEL EIG - 20' x 58'-11"

BLDG. B FLOORS 39-40 (EAST & WEST)

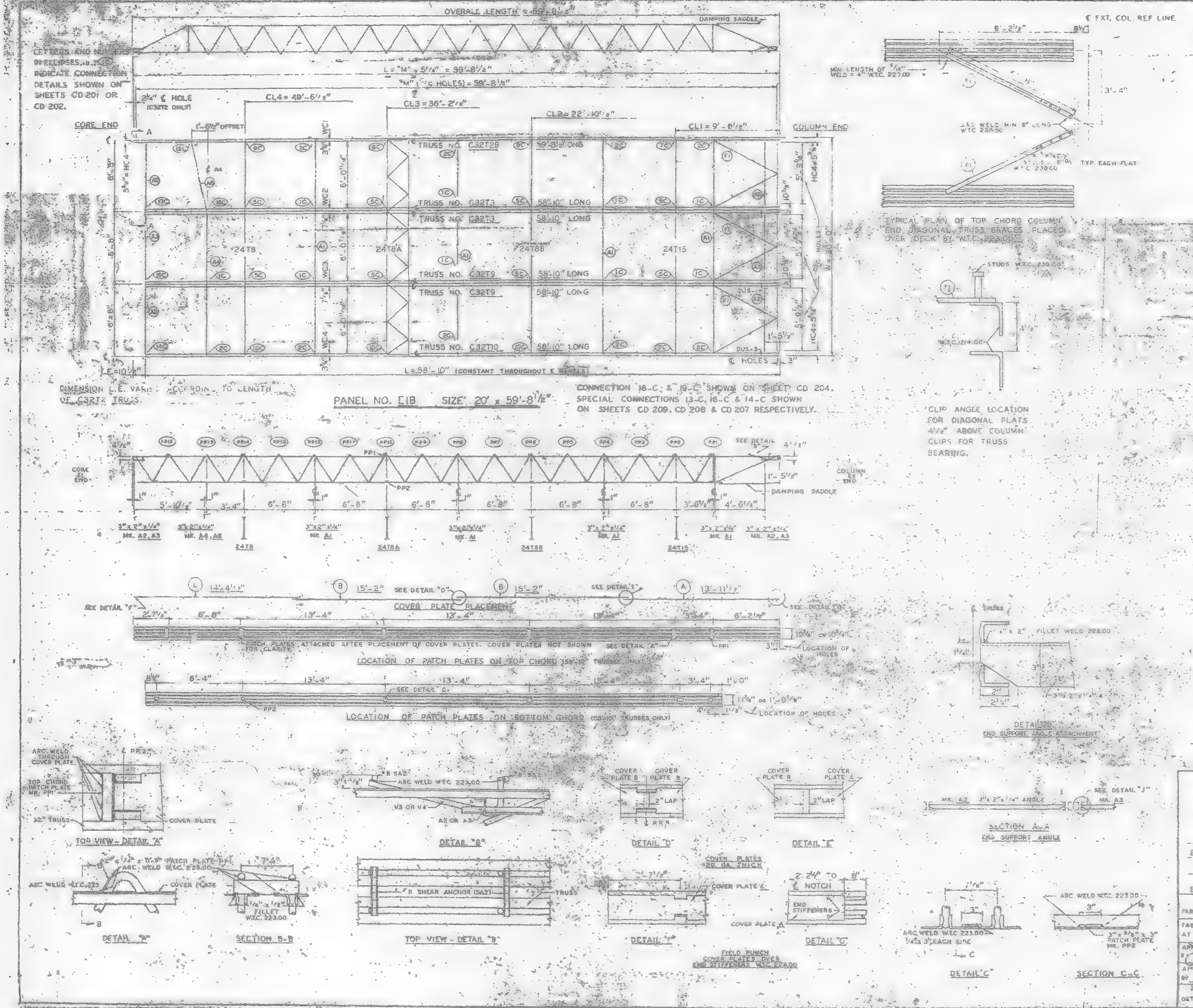
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS | DESIGN DRAWING NO. 7-AB3-11 | PLATE

APPROVED FOR FABRICATION BY [signature] P.N.Y.A. | DATE 1/2/70 | DRAWN BY gdc DATE NOV. 1, 1968

APPROVED FOR FABRICATION BY: FOR FABRICATOR | DATE | CHECKED BY T.M. CHURA DATE NOV. 4, 1968 | IN CHARGE OF PROD DEV

DETAILED BY LACLEDE STEEL CO. | FABRICATION CONT NO W.T.C. 221 | SHEET NO. FP-EIG



REQUIRED MATERIAL FOR PANEL				REF. DWGS
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T2B	1	32T2B - 59'-8½"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 20[illegible]
	T9	2	C32T9 - 58'-10"	ST 208
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8		24T8 - 19'-[illegible]	ST [illegible]8
	T8A		24T8A - 19'-[illegible]	ST [illegible]8A
	T8B	1	24T8B - 19'-[illegible]	ST 218B
	T15	1	24T15 - 19'-[illegible]	ST 21[illegible]
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4" x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4" x 5'-[illegible]	ST 403
	A3	2	3"x 2"x 1/4" x 5'-[illegible]	ST 403
	A4	1	[illegible]	ST 403
	A8		[illegible]	ST 403
DIAGONAL FLATS	F1		[illegible]	ST 402
COVER PLATES	A	3	9"x 0135" x 13'-11½"	ST 303
	B	6	9"x 0135" x 15'-2"	ST 303
	E	3	9"x 0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x 1½" x 1/4" x 0'-6"	ST 400
	C2	2	2½" x 1½" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½" x 3/8" x 3'-5⅞"	ST 298
	DUS-3	1	3½"x 3½" x 3/8" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ⌀ x 1'-3"	ST 400
	CB2	6	5/16" ⌀ x 1'-3"	ST 400
	CB3	6	5/16" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	[illegible]	ST 400
	F2	1	4½" x .39" x 0'-9"	ST 400
	F3	1	4½" x .39" x [illegible]	ST 400
	F5	3	4½" x 1/4" x 1'-6"	ST 400
	F6	1	4½" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	
1	6-18-69	AS NOTED	D.O.C.

REF. DRWGS.

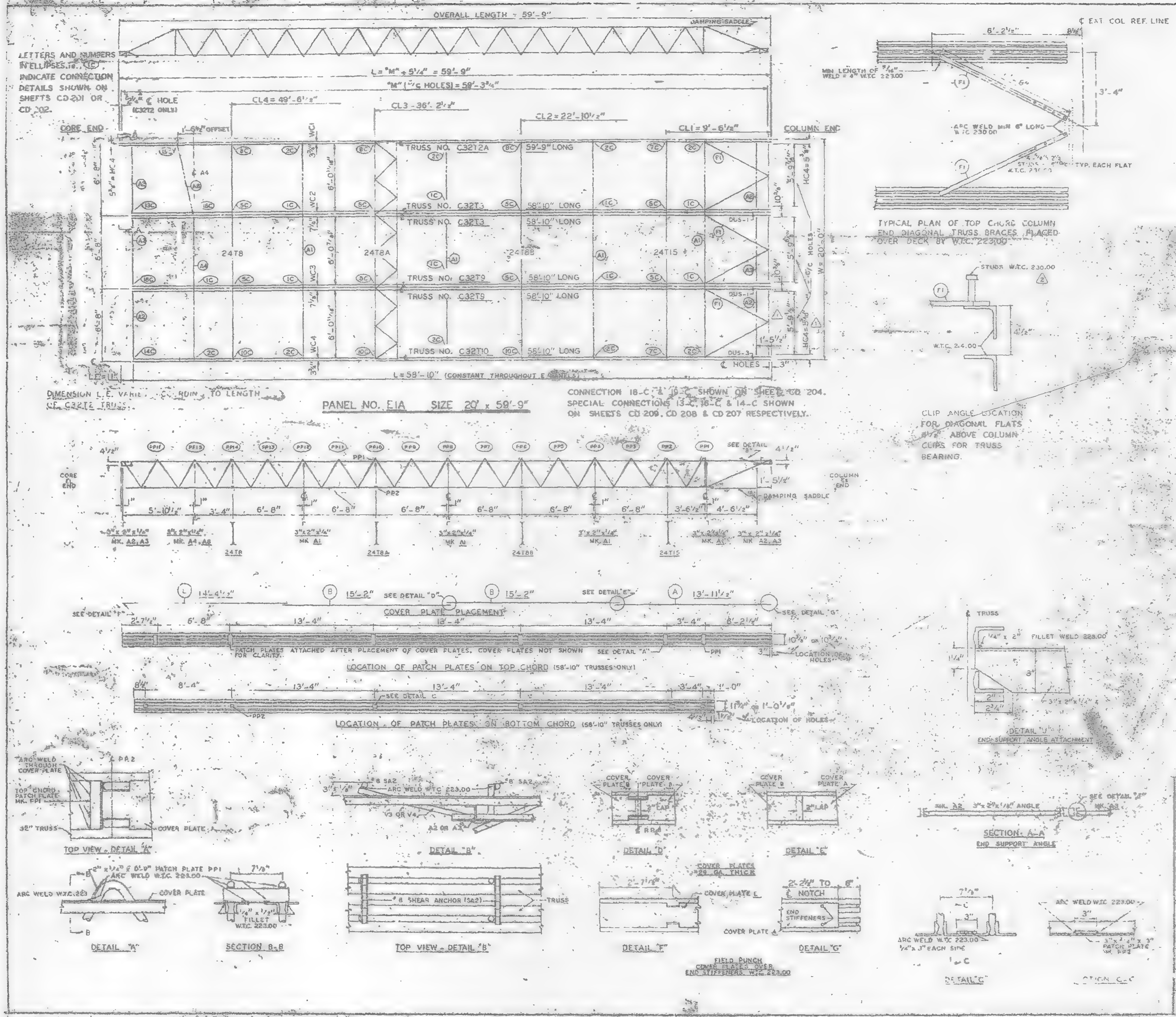
7-AB2-3 & 17	7-22-68
7-AB3-11	10-15-68
7-AB4-13	1-3-68
7-AB4-15 & 16-39	7-22-68
7-AB4-42 & 3	10-15-68
SK-124	1-6-69
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)
PANEL E1B - 20' x 59'-8½"
BLDG. B FLOORS 84-91, 93-106 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11	
APPROVED FOR FABRICATION BY James White (signature)	DATE 1/2/70	DRAWN BY gdc DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.H. CHURA DATE NOV. 4, 1968	PROD. DEV.
DETAILED BY		FABRICATION CONT. NO. W.T.C. 221	SHEET EP E1B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T2A	1	C32T2A - 59'-9"	ST 202A
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST [illegible]
	T10	1	C32T10 - 58'-10"	ST [illegible]
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST [illegible]
	T8A	1	24T8A - 19'-11"	ST [illegible]
	T8B	1	24T8B - 19'-11"	ST [illegible]
	T15	1	24T15 - 19'-11"	ST [illegible]
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 4[illegible]
	A2	4	3" x 2" x ¼" x 5'-[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]"	ST 40[illegible]
	A4	1	[illegible]	[illegible]
	A8	1	3" x 2" x ¼" x 6'-[illegible]"	ST 4[illegible]
DIAGONAL FLATS	F1	[illegible]	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	3	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2½" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅝"	ST 288
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅝"	ST 288
CONNECTION BAR	CB1	1[illegible]	1" ϕ x 1'-3"	ST 400
	CB2	6	1³⁄₁₆" ϕ x 1'-3"	ST 400
	CB3	6	1⁵⁄₈" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x [illegible]	ST 400
	P3	1	4½" x .39" x [illegible]	ST 400
	P5	3	4½" x ¼" x [illegible]-6"	ST 400
	P6	1	4½" x [illegible] x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⁵⁄₁₆" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	
2	6-18-69	AS NOTED	
1	9-12-68	AS NOTED	

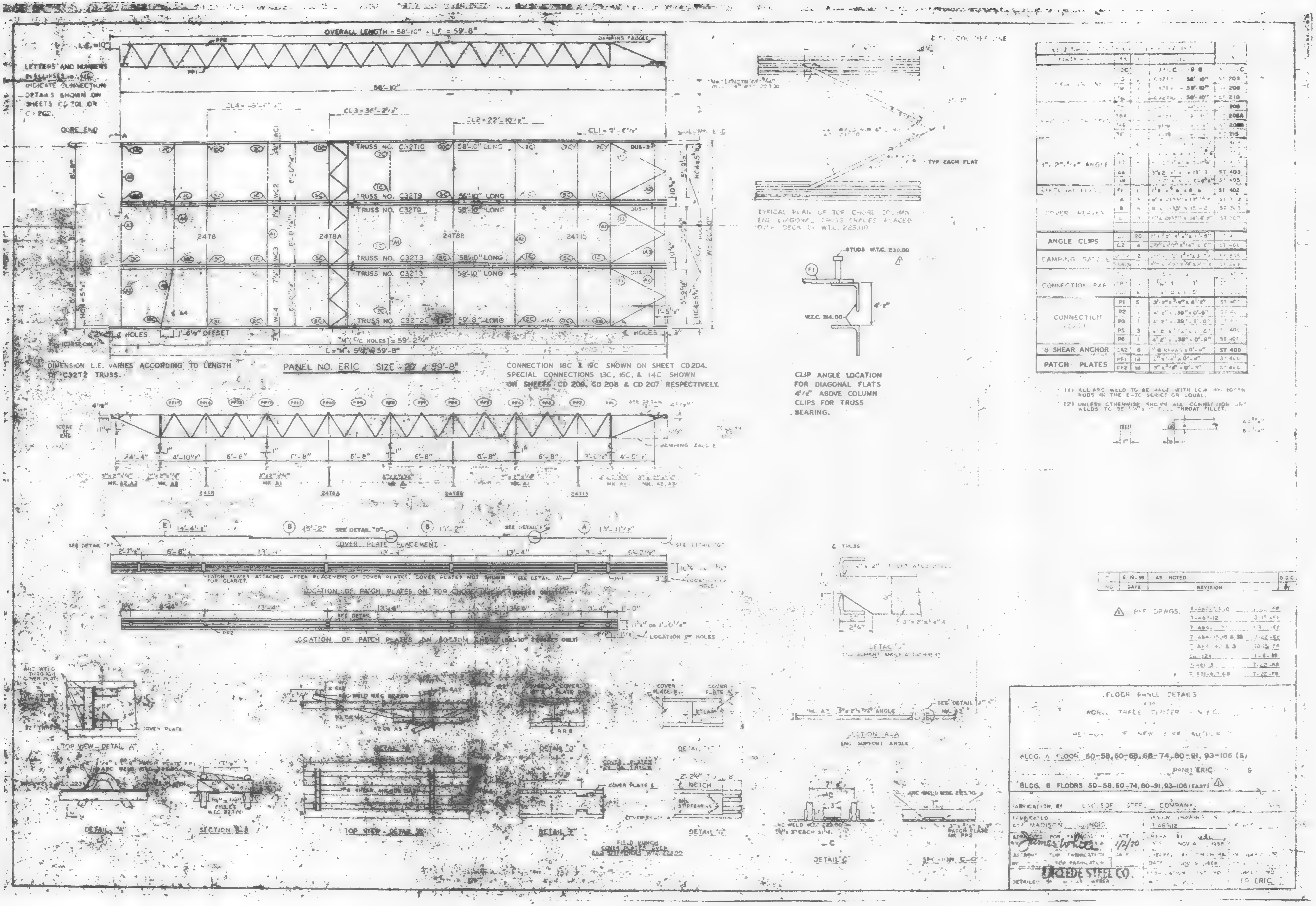
REF. DRWGS.

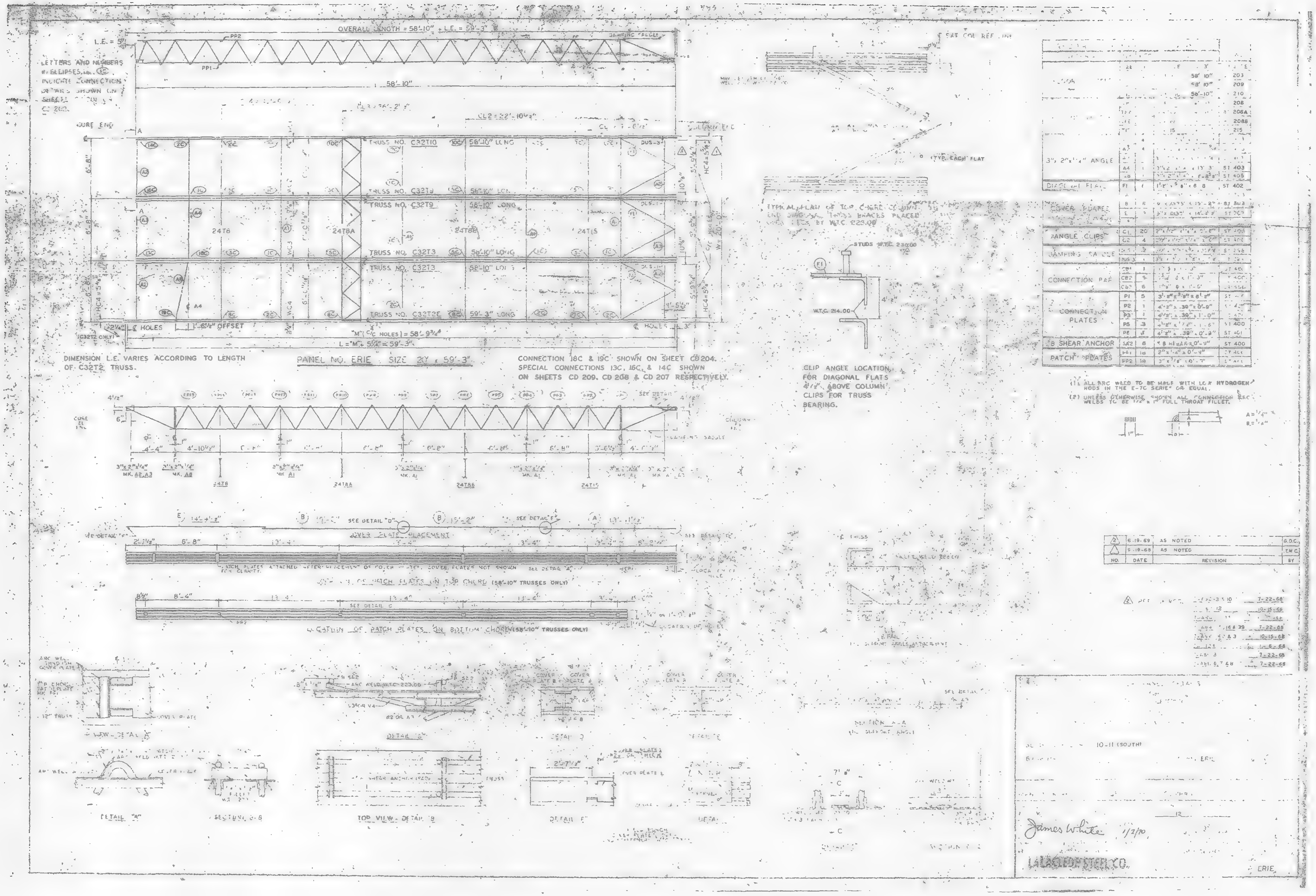
7-AB2-3&11	7-22-68
7-AB3-11	10-15-68
7-AB4-3	7-3-68
7-AB4-15, 16 & 17	7-22-68
7-AB6-42 & 3	10-15-68
3A-124	1-5-68
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

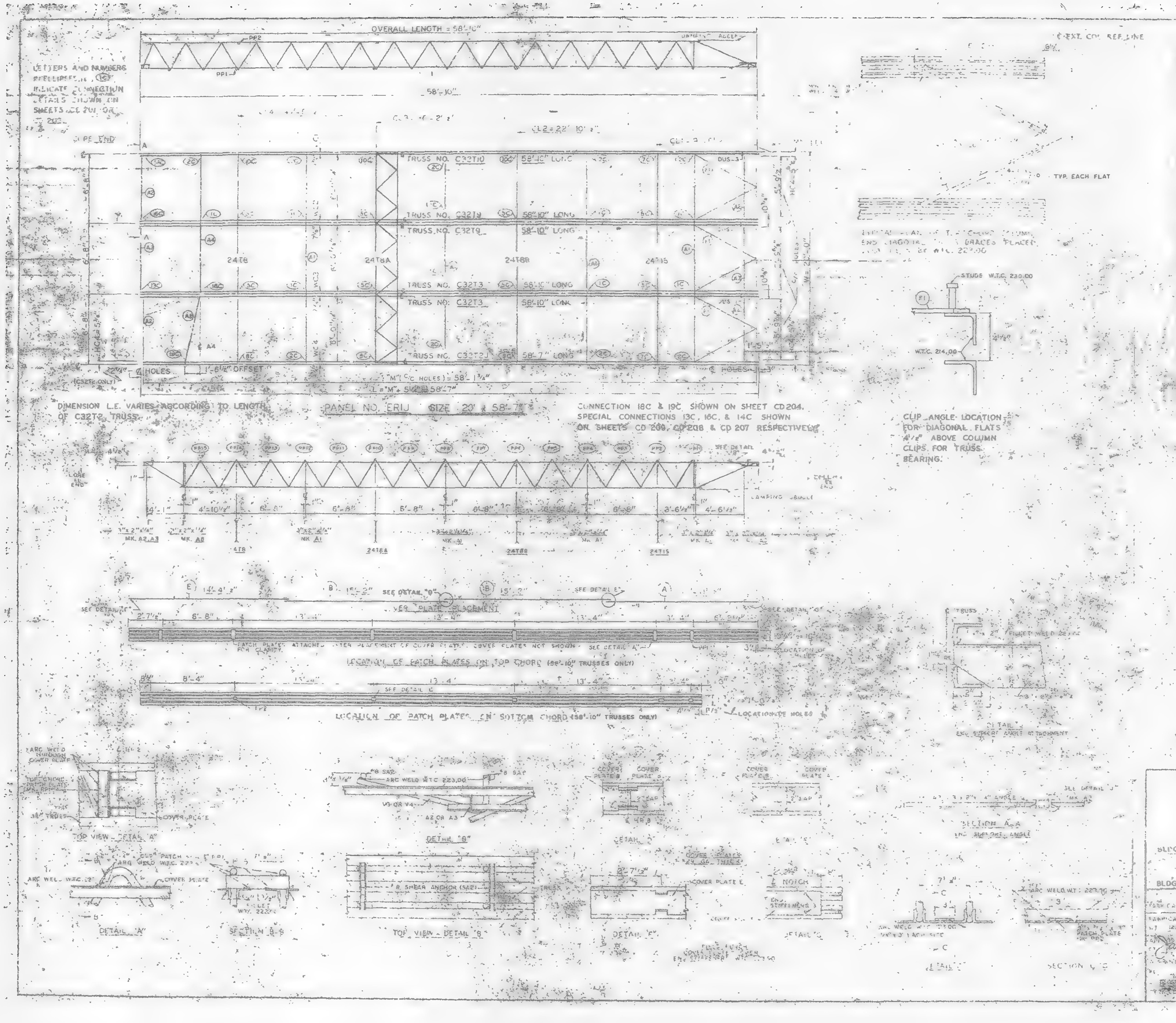
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 43-59, 60-66, 68, 69 (NORTH) PANEL E1A - 20' x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) [illegible]

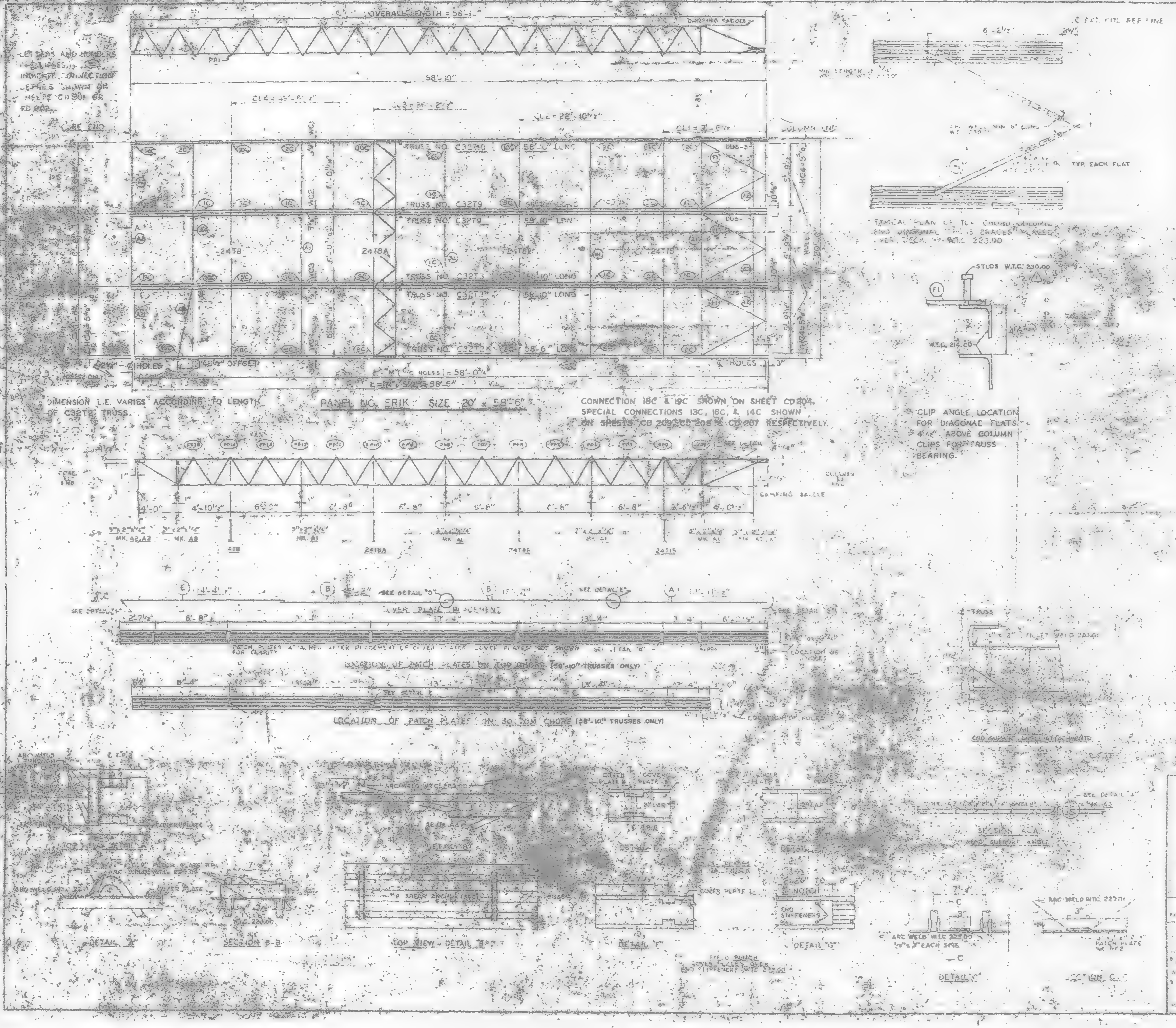
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE [illegible]
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
DESIGN DRAWING NO. 7-AB3-[illegible]
DRAWN BY [illegible] DATE JULY 22, 1968
CHECKED BY T.M. CHURA DATE JULY 22, 1968
FABRICATION CONT. NO. W.T.C. 221
PLATE [illegible]
NO. E1A


OVERALL LENGTH = 58'-10" - L.E. = 59'-8"
DAMPING ANGLE
58'-10"
LETTERS AND NUMBERS IN ELLIPSES i.e. 1C INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 OR CD 202.
CORE END
CL4 = 49'-7 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
24T8
24T8A
24T8B
24T15
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2C 59'-8" LONG
WC1
WC2
WC3
WC4
HOLES
1'-6 1/2" OFFSET
"M" (C/C HOLES) = 59'-2 1/2"
L = "M" + 5 1/2" = 59'-8"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIC SIZE 20' x 59'-8"
CONNECTION 18C & 19C SHOWN ON SHEET CD204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 200, CD 208 & CD 207 RESPECTIVELY.
DAMPING ANGLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
TYP EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL CROSS CABLES PLACED OVER DECK EL W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
ANGLE CLIPS
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
COVER PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROD SERIES IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION WELDS TO BE FULL THROAT FILLET.
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "C"
SECTION C-C
DETAIL "G"
NOTCH
AS NOTED
NO. DATE REVISION
REF DRWGS.
FLOOR PANEL DETAILS
WORLD TRADE CENTER - N.Y.C.
BLDG. A FLOOR 50-58, 60-65, 68-74, 80-91, 93-106 (S)
PANEL ERIC
BLDG. B FLOORS 50-58, 60-74, 80-91, 93-106 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
MADISON, ILLINOIS
APPROVED FOR FABRICATION
1/2/70
NOV 4, 1968
NOV 5, 1968
LACLEDE STEEL CO.
ERIC


OVERALL LENGTH = 58'-10" + L.E. = 59'-3"
L.E. = 5"
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON
58'-10"
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2E 59'-3" LONG
24T8
24T8A
24T8B
24T15
℄ HOLES
1'-6¾" OFFSET
"M" (C/C HOLES) = 58'-9¾"
L = "M" + 5½" = 59'-3"
(C32T2 ONLY)
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIE SIZE 20' x 59'-3"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYPICAL PLAN OF TOP CHORD OF END DIAGONAL TRUSS BRACES PLACED
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
3", 2"x1¼" ANGLE
ANGLE CLIPS
CONNECTION PAD
CONNECTION PLATES
SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ⅛" x 1" FULL THROAT FILLET.
4'-4"
4'-10½"
6'-8"
6'-8"
6'-8"
4'-0"
24T8
24T8A
24T8B
24T15
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
LOCATION OF PATCH PLATES IN TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES IN BOTTOM CHORD (58'-10" TRUSSES ONLY)
8'-4"
13'-4"
6'-8"
SEE DETAIL C
6-19-69 AS NOTED G.D.C.
9-18-68 AS NOTED T.M.C.
NO. DATE REVISION BY
DETAIL "B"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "E"
SECTION A-A
10-11 (SOUTH)
ERIE
James White 1/7/70
LA SALLE STEEL CO.
ERIE



	MK.	REQ.	SIZE	SHEET NO.
		1	...8 7	
			58'-10"	203
			58'-10"	209
			C32T10 58'-10"	210
		1	24T... 9'-11"	208
	T8A		24T8A 9'-11"	208A
	T8B		24T8B 9'-11"	ST 208B
	T15	1	24T15 12'-11"	ST 215
3" x 2" x 1/4" ANGLE		4	3" x 2" x 1/4" x 15'-1 1/2"	ST 403
		4	5'-...	ST 403
	A3	2	3" x ... x 5'...	
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-6 5/8"	ST 405
DIAGONAL FLAT	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A		... .0135" x ...	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0138" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2 1/2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE		2		ST 288
	DS 5	1		ST 288
CONNECTION BAR	CB	1	... x 1'-3"	ST 400
	CB2		... x 1'-3"	ST 400
	CB	6	... x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400
	P5	3	4 1/2" x ... x ... 6"	ST 400
	P6	1	4 1/2" x .30" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400



	Mk.	No.	Size	
	[illegible]K	1	[illegible] 58'6	[illegible]
	[illegible]		58' 10"	[illegible] 209
	[illegible]		58' 10"	[illegible] 209
	[illegible]	1	C32T10 58'-10"	[illegible] 210
	T8	1	[illegible]	[illegible] 206
	T8A	1	24T8A	[illegible] 208A
	T8B	1	24T8B	[illegible] 208B
	T15	1	24T15	[illegible] 215
3"x 2"x 1/4" ANGLE	A	4	[illegible]	ST 403
	A2	4	[illegible] x 5' [illegible]	ST 403
	A3	2	[illegible] x 5' [illegible]	ST 403
	A4	1	3"x2"x1/4" x 13'-3"	ST 403
	A8	1	3"x2"x1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8 x 6'-8"	ST 402
	A	3	[illegible] x 3'-11"	ST 303
	B	8	[illegible] .135" x 15'-2"	ST 303
	E	3	8" x .135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2 1/2"x2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2"x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DS2	2	[illegible]	ST 293
	DS3	1	[illegible]	ST 293
CONNECTION BAR	CB1	11	1" ϕ x 1'-3"	ST 400
	CB2	5	7/8" ϕ x 1'-3"	ST 400
	CB3	6	5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 5/8" x 8 1/2"	ST 400
	P2	14	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
3/8 SHEAR ANCHOR	SA2	6	3/8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	
1	6-19-69	AS NOTED	G.D.C.

1 REF. DWGS.

7-A82 7 & 10	7-22-68
7-A83 12	10-15-68
7-A89-11	1-3-68
7-A84-15,6 & 38	7-22-68
7-A84-4P & 3	10-15-68
58-124	1-6-69
7-A81-3	7-22-68
7-A81-6,7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 45-46 (N)

PANEL ERIK 20' x 58'6

BLDG. B FLOORS 45-46 (WEST) 1

FABRICATION BY [illegible] STEEL COMPANY

James White 1/2/70

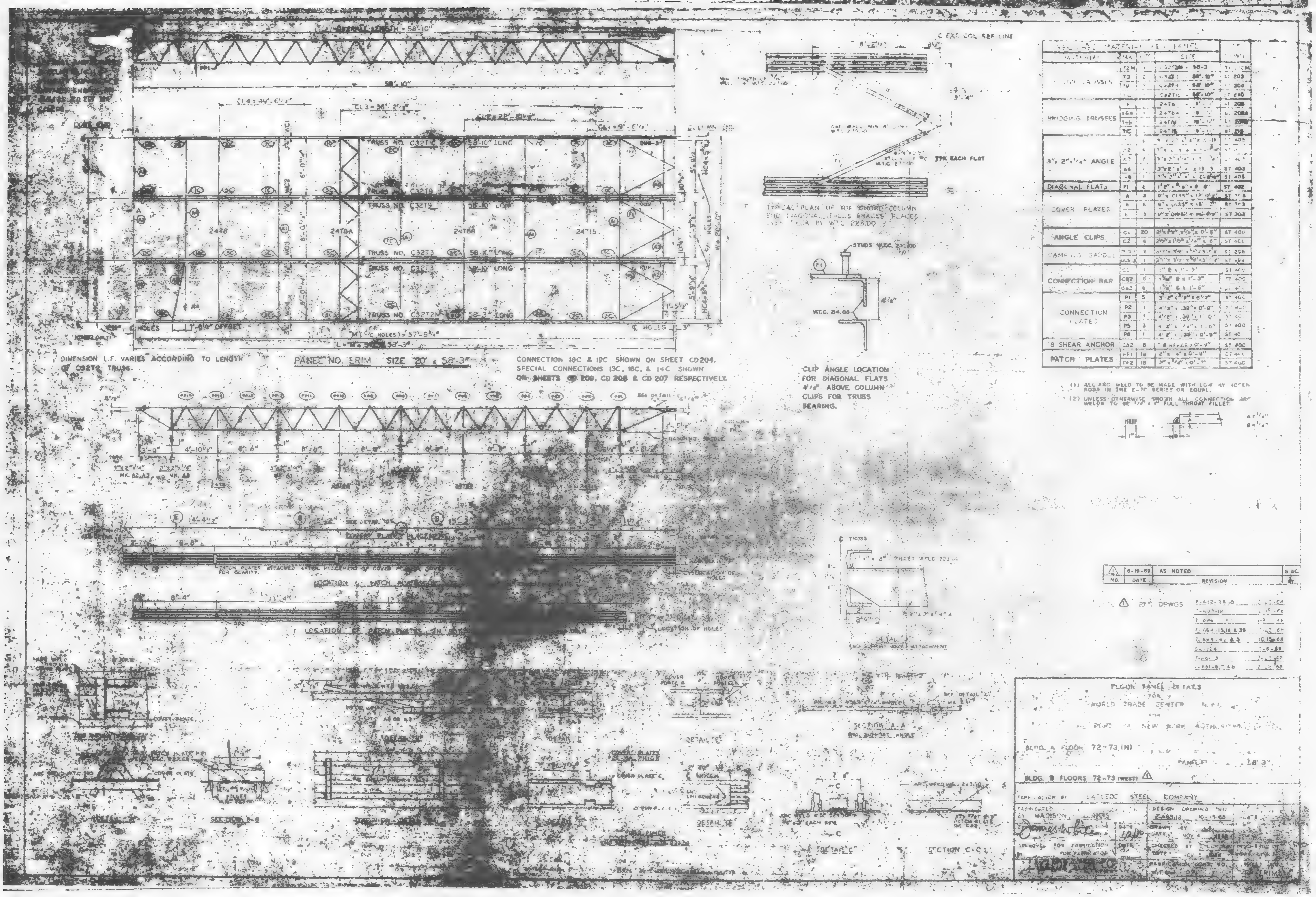
LACLEDE STEEL CO.

DESIGN DRAWING NO. 7 AR 12 [illegible] 10 15 68

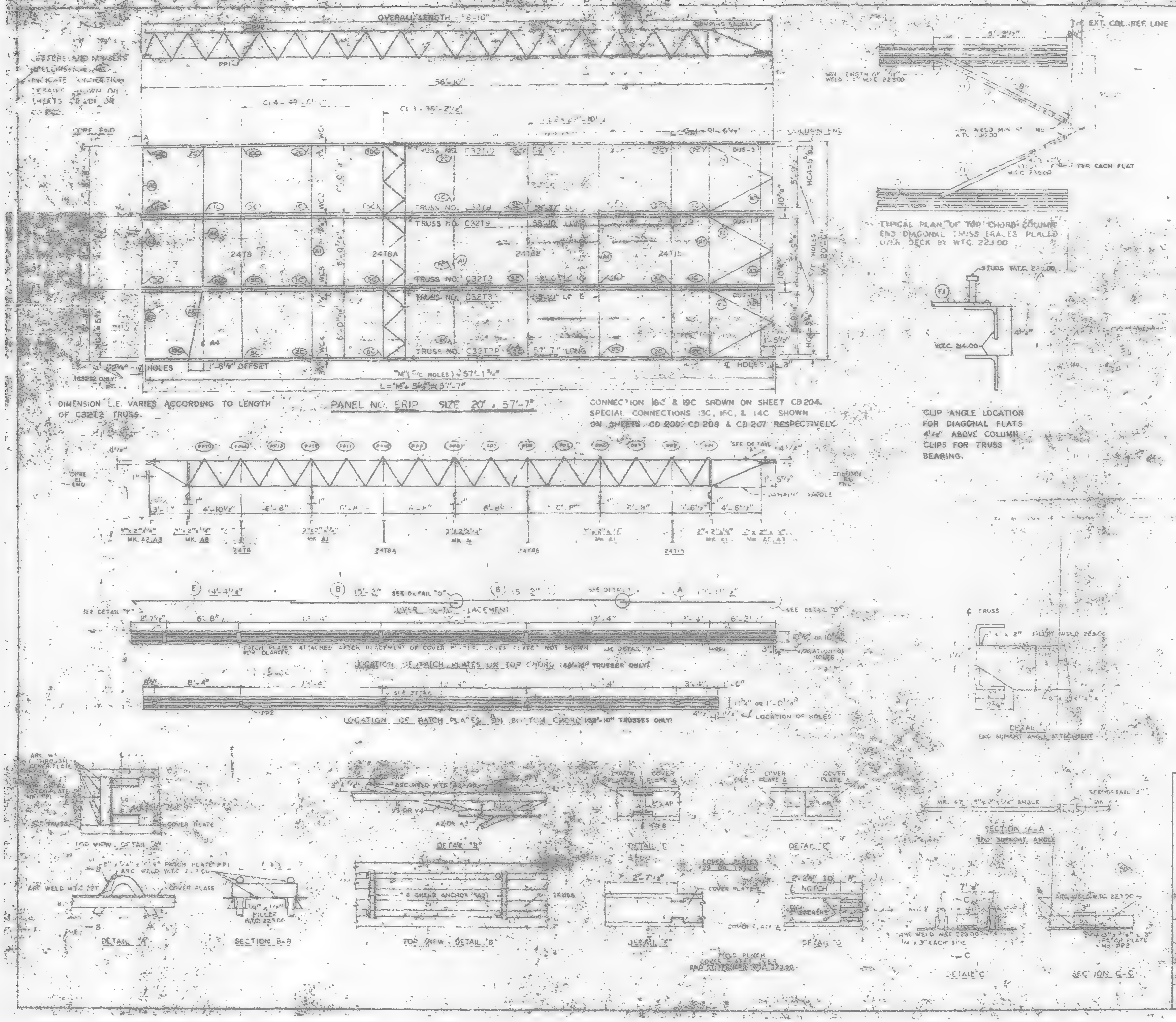
DRAWN BY [illegible] DATE NOV 4 1968

CHECKED BY [illegible] DATE NOV 5 1968

FP ERIK



TRUSS NO. C32T10
58'-10" LONG
TRUSS NO. C32T9
TRUSS NO. C32T3
58'-10" LONG
TRUSS NO. C32T2M
58'-3" LONG
24T6
24T6A
24T6B
24T15
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIM SIZE 20' x 58'-3"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
TYPICAL PLAN OF TOP CHORD-COLUMN AND DIAGONAL FLATS BRACES
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
MATERIAL
3"x 2"x1/4" ANGLE
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
8 SHEAR ANCHOR
PATCH PLATES
F1 6 1 1/2" x 5/8" x 8' 8" ST 402
C1 20 ST 400
C2 4 ST 400
CB2 6 1'-3" ST 400
P1 5 ST 400
P2 1 4 1/2" x .39" x 0'-9"
P5 3 ST 400
P6 1 4 1/2" x .39" x 0'-9"
CA2 6 ST 400
PF1 18
PF2 18
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
6-19-69 AS NOTED
NO. DATE REVISION
REF. DWGS
T-AB4-15,16 & 39
T-AB4-42 & 3 10-15-68
1-6-69
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES
LOCATION OF HOLES
DETAIL
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
END SUPPORT ANGLE
SECTION B-B
SECTION C-C
DETAIL "E"
COVER PLATE
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
PORT OF NEW YORK AUTHORITY
BLDG. A FLOOR 72-73 (N)
BLDG. B FLOORS 72-73 (WEST)
STEEL COMPANY
FABRICATED BY MADISON
DESIGN DRAWING NO.
10-15-68
DRAWN BY
DATE NOV 4
CHECKED BY
DATE NOV 5
APPROVED FOR FABRICATION FOR FABRICATOR
FABRICATION CONT. NO.
ERIM



REQUIRED MATERIAL [illegible]				
MATERIAL	MK.	PC.	SIZE	
FLOOR TRUSSES	[illegible]	1	[illegible]	[illegible]
	13	[illegible]	[illegible] 58'-10"	[illegible]
	19	[illegible]	[illegible] 58'-10"	[illegible]
	[illegible]	[illegible]	[illegible] 58'-10"	[illegible]
[illegible]	T8	[illegible]	[illegible]	[illegible]
	T8A	[illegible]	[illegible]	[illegible]
	T8B	[illegible]	[illegible]	ST 208B
	T15	[illegible]	[illegible]	[illegible]
3" x 2" x 1/4" ANGLE	[illegible]	4	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A3	[illegible]	[illegible]	[illegible]
	A4	1	3" x 2" x [illegible] 13'-3	ST 403
	A8	[illegible]	[illegible]	ST 405
DIAGONAL FLATS	F1	8	1 1/2" x [illegible] x 6'-8	ST 402
COVER PLATES	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	8	9" x .0035" x 15'-2"	ST 303
	[illegible]	3	9" x .0035" x 14'-2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	[illegible]	2	3 1/2" x 3 1/2" x 3/8" x [illegible]	ST 288
	[illegible]	1	3 1/2" x 3 1/2" x [illegible]	ST 288
CONNECTION BAR	[illegible]	[illegible]	1" Ø x 1'-3"	ST 400
	CB2	8	[illegible] Ø x 1'-3"	ST 400
	CB3	8	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4'-2" x .39" x 0'-9"	ST 400
	P3	1	4'-2" x .39" x 1'-0"	ST 400
	P5	3	4'-2" x 1/4" x 1'-6	ST 400
	P6	1	4'-2" x .39" x 0'-9"	ST 401
3/8 SHEAR ANCHOR	A2	6	8 REBAR x 0'-[illegible]	ST 400
PATCH PLATES	PP1	18	3" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR SQUIRT.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"

B = 1/4"

NO	DATE	REVISION	
1	5-19-69	AS NOTED	GDC

1 [illegible] 10 [illegible]

[illegible] 12 [illegible]

7 [illegible] 15, 16 & 39 [illegible]

[illegible] 2 & 3 10-13-68

[illegible] 1-6-69

[illegible]

[illegible] 6, 7 & 8 [illegible]

[illegible]

BLDG. [illegible] FLOOR 74 (N)

[illegible] 7 7

BLDG. B FLOORS 74 (WEST) 1

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY: James White DATE 1/2/70

APPROVED FOR FABRICATION BY [illegible] DATE

DETAILED BY A. CARL WEBER

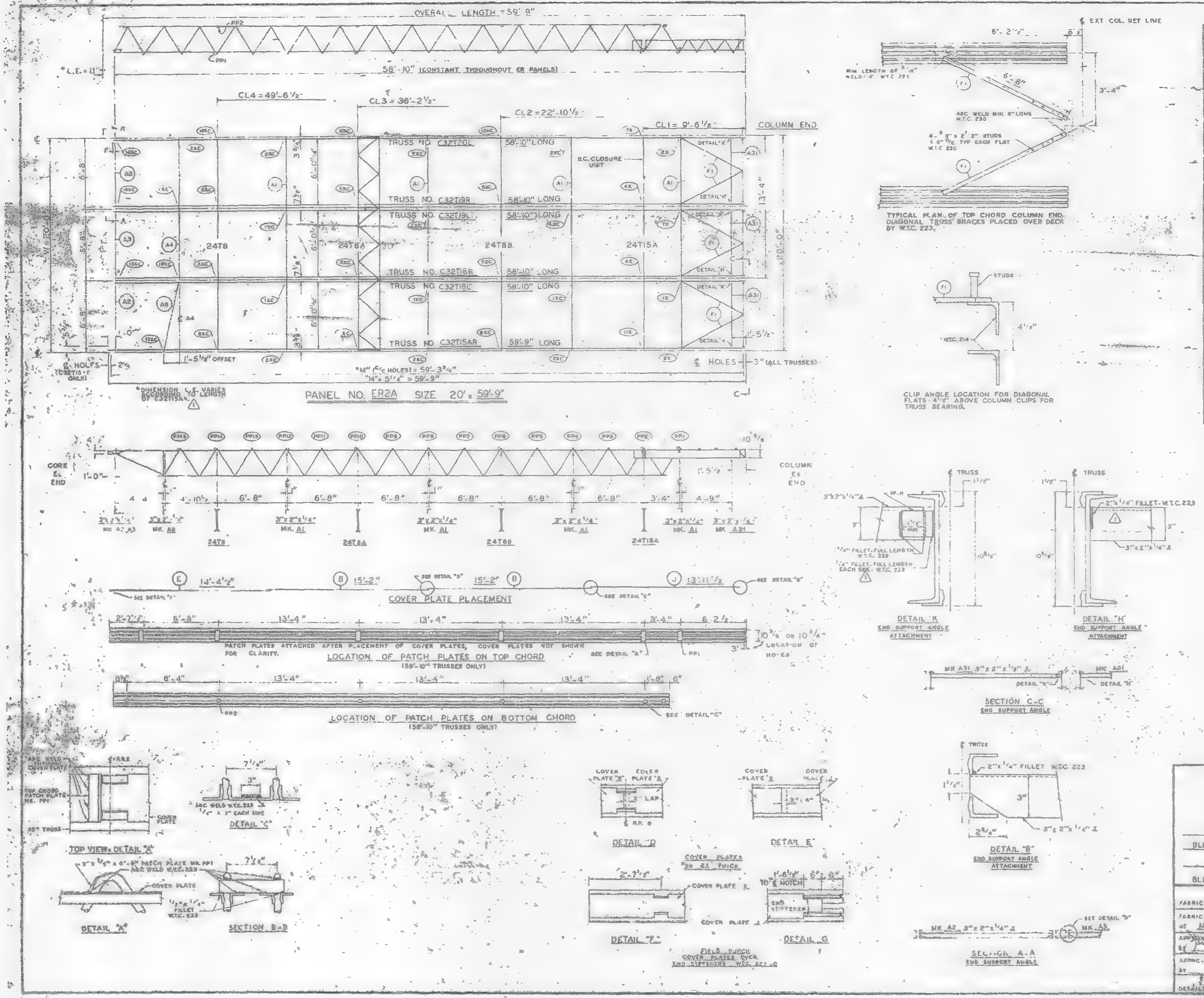
DESIGN [illegible]

DRAWN BY [illegible] NOV [illegible] 1968

CHECKED BY [illegible] NOV 5 1968

FABRICATION CONTRACT NO. [illegible] 821

[illegible] ERIP



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	T16	1	[illegible]	ST [illegible]
	T16R	1	[illegible]	
	T19L	1	C32T19 x 58'-10"	ST [illegible]
	T19R	1	C32T19R x 58'-10"	
	T20		C32T20L x 58'-10"	ST 220
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	ST 208
	T8A	1	24T8A x 19'-11"	ST 208A
	T8B	1	24T8B x 19'-11"	ST 208B
	T15A	1	24T15A x 9'-11"	ST 215A
3" x 2" x 1/4" ANGLE	A1	4	[illegible]	ST [illegible]
	A2	2	[illegible]	ST [illegible]
	A3		[illegible]	[illegible]
	A4	1	[illegible]	[illegible]
	A8	1	[illegible]	[illegible]
	A31	3	[illegible]	ST [illegible]
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x [illegible] x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.		[illegible]	ST 215A
ANGLE CLIPS	C1	20	[illegible] x .25" x 6"	ST 400
	C2	4	[illegible] x .25" x 8"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-0"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	[illegible]	ST 400
	CB3	6	1 3/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	[illegible]	ST 430
	P2	1	4 1/2" x .39" x [illegible]	ST [illegible]
	P3	1	4 1/2" x .39" x 1'-0"	ST 40[illegible]
	P5	3	[illegible]	ST [illegible]
	P6	1	4 1/2" x .39" x 0'-[illegible]	ST 461
	PD	6	[illegible]	ST [illegible]

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 21[illegible] THRU CD 229
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET

NO	DATE	REVISION
2	7-[illegible]-69	AS NOTED
1	2-4-69	AS NOTED

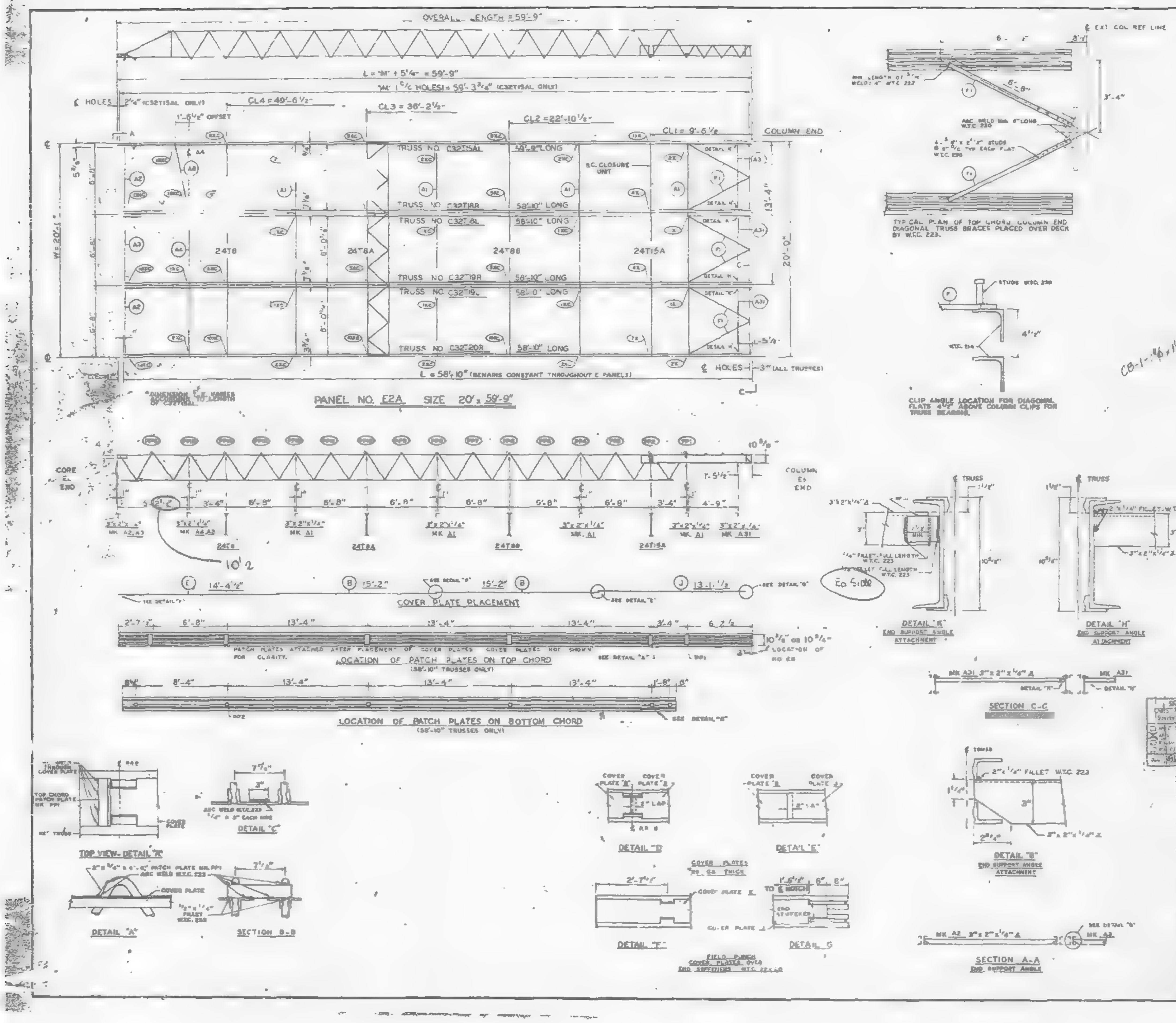
REF DRWG.

7-AB3-[illegible]	10-4-68
7-AB3-24	8-16-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
9A-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
PANEL [illegible] 20' x 59'-9
BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) ⚠2

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-[illegible]
APPROVED FOR FABRICATION BY [illegible] FOR PONYA — DATE [illegible]
DRAWN BY [illegible] DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR — DATE
CHECKED BY [illegible] DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. ER 10 A



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T5AL		C32T5AL x 58'-9"	ST 215AL
	T8L / T8R	[illegible]	[illegible]	ST 218L
	T9L / T9R	[illegible]	[illegible]	ST 219L
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8		24T8 x 19'-1"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3" x 2" x 1/4" ANGLE	A	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 8'-11 13/16"	ST 403
	A3		3" x 2" x 1/4" x 8'-11 13/16"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-6 3/8"	ST 405
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PC1	3	3" x 1/4" x 0'-2 3/4"	ST 412
DIAGONAL FLATS	F	9	1 1/2" x 3/8" x 6'-6"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x 0.135" x 15'-2"	ST 303
	E	3	9" x 0.135" x 14'-4 1/2"	ST 303
	J	3	9" x 0.135" x 13'-1 1/2"	ST 304
B C. CLOSURE UNIT	BC	1	[illegible] x 6'-5 1/2"	BT 215A
ANGLE CLIPS	C1	20	2" x 2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 2" x .25" x 8"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	21	1" Ø x 1'-3"	ST 400
	CB2	6	1 1/4" Ø x 1'-3"	ST 400
	CB3	6	5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/8" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (XX)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 82 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

SEE DRWG.

7-A83-32	10-4-68
7-A83-24	8-15-68
7-A81-14, 17, 18 & 19	10-4-68
7-A82-3	7-22-68
7-A82-14	10-4-68
SA-124	10-11-68

SKILLING HELLE CHRISTIANSEN ROBERTSON
Structural & Civil Engineers

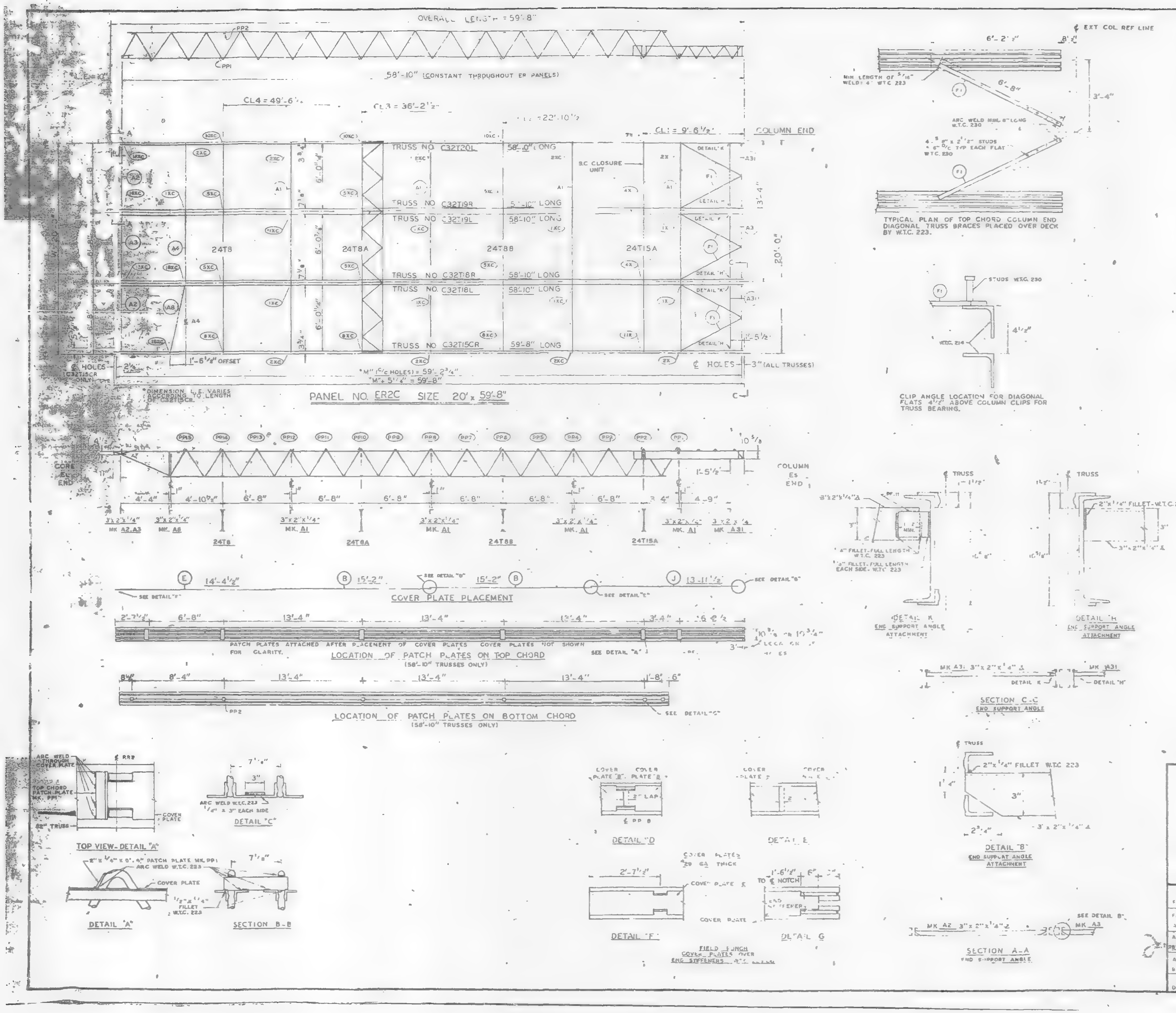
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL E2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-A83-32	PLATE
APPROVED FOR FABRICATION BY ______ FOR PONYA — DATE	DRAWN BY [illegible] DATE DEC 5, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR — DATE	CHECKED BY T.M. SHURA DATE DEC 5, 1968	IN CHARGE OF PROD. MX
DETAILED BY A.C. PIPER	FABRICATION CONT. NO. WTC 221	SHEET NO. FP E2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T15CR	1	C32T15CR x [illegible]'-8"	ST 215CL
	T8L / T8R	[illegible]	C32T8L x [illegible] / C32T8R x [illegible]	ST 218L
	T9L / T9R	[illegible]	C32T9L x 58'-10" / C32T9R x [illegible]	ST 219L
	T20L	[illegible]	C32T20L x [illegible]	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-[illegible]	BT 208
	T8A	1	24T8A x 19'-[illegible]	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x2"x1/4"x [illegible]	ST 403
	A2	[illegible]	3"x2"x1/4"x [illegible]	ST 403
	A3	[illegible]	3"x2"x1/4"x [illegible]	ST 403
	A4	[illegible]	3"x2"x1/4"x [illegible]	ST 403
	A8	[illegible]	3"x2"x1/4"x [illegible]	ST 405
	A31	3	3"x2"x1/4"x [illegible]	ST 410
CLOSURE PLATES	PE11	[illegible]	3"x [illegible]	ST 41[illegible]
DIAGONAL FLATS	F1	6	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x1/4"x 0'-9"	ST 400
	PP2	18	3"x3/8"x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135"x 15'-2"	ST 303
	E	3	9"x .0135"x 14'-4 1/2"	ST 303
	J	3	9"x .0135"x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1'4" D x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x .25"x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/16" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x [illegible] x 6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400
	P5	3	4 1/2"x 1/4"x 1'-6"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401
	P9	6	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET

A = 1/4"
B = 1/4"

NO	DATE	REVISION	BY

REF. DRWG.

7-A83-33	10-4-68
7-A83-24	8-15-68
7-A81-14, 17, 18 & 19	10-4-68
7-A82-3	7-22-68
7-A82-14	10-4-68
SA-124	10-11-68

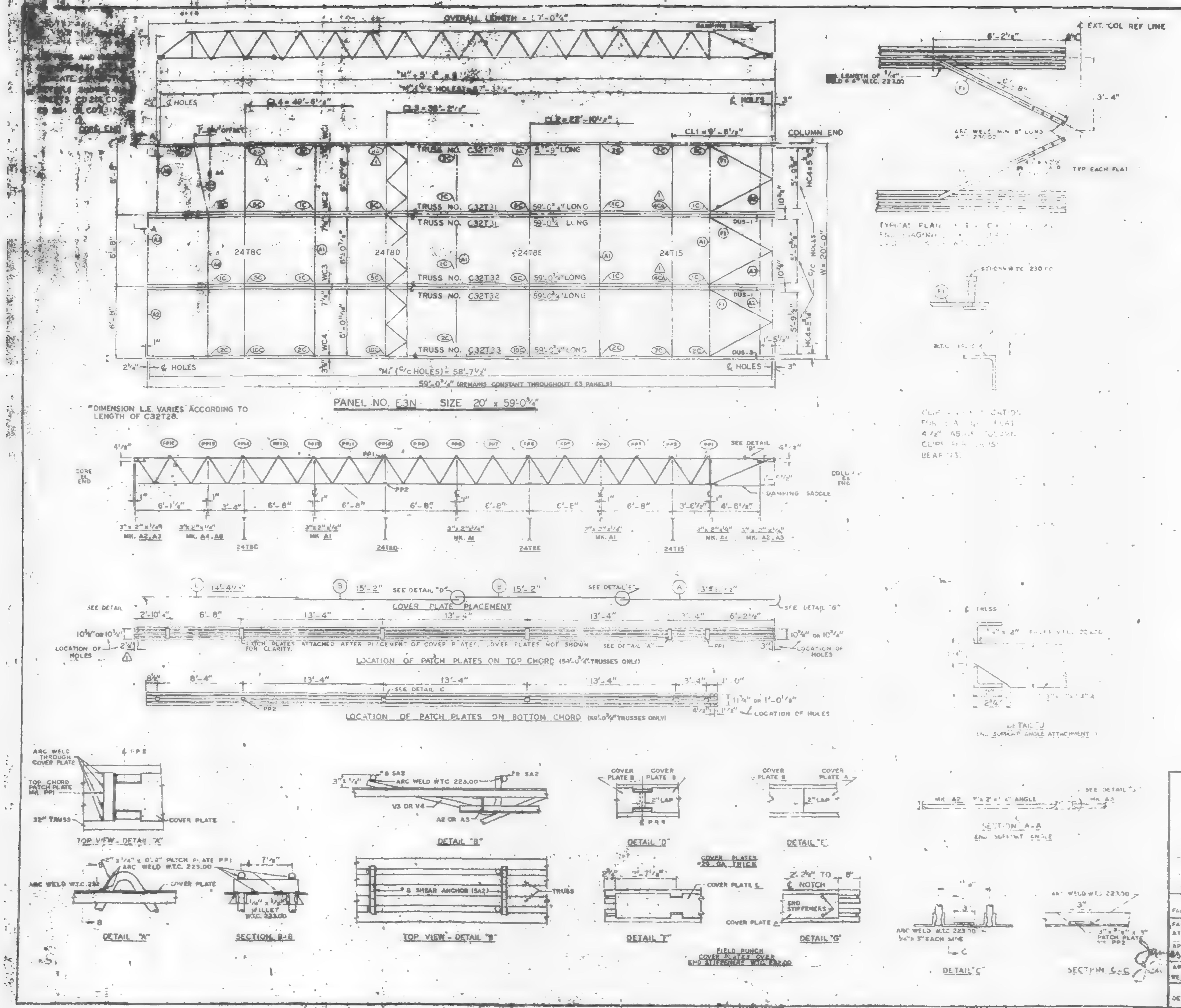
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 59 & 92 (SOUTH)

PANEL ER2C - 20' x 59'-8"

BLDG B FLOORS 59 & 92 (EAST)

FABRICATION BY: [illegible] LEDE STEEL COMPANY
FABRICATED AT: MADISON, ILLINOIS
DESIGN DRAWING NO: 7-A83-33 PLATE
APPROVED FOR FABRICATION — DATE 6/6/69
DRAWN BY: [illegible] DATE: APRIL 28, 1966
APPROVED FOR FABRICATION BY ... FOR FABRICATOR — DATE
CHECKED BY: TM CHURA DATE: APRIL 28, 1968
IN CHARGE OF: [illegible]
DETAILED BY: A C WEBER
FABRICATION CONT NO: W.T.C. 221
SHEET NO: FP ER2C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T28N	1	C32T28N - 87'-9"	ST 228N
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	ST 208C
	T8D	1	24T8D - 19'-11"	ST 208D
	T8E	1	24T8E - 19'-11"	ST 208E
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible]	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-1½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	[illegible]	9" x .0135" x [illegible]	ST 303
[illegible]	C1	[illegible]	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x [illegible] x ¼" x 6"	ST 400
DAMPING SADDLE	[illegible]	2	[illegible]	ST 298
	[illegible]		[illegible]	ST 298
CONNECTION BAR	[illegible]		[illegible]	ST 400
	CB2		[illegible]	ST 400
	[illegible]	6	[illegible]	ST 400
CONNECTION PLATES	[illegible]		[illegible]	ST 400
	[illegible]		[illegible]	ST 400
	P3		[illegible]	ST 400
	P5	3	[illegible] x 1'-6"	ST 400
	PF		[illegible]	ST 401
8 SHEAR ANCHOR	SA2		[illegible]	ST 410
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	3" x [illegible]	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ⅛" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
1	4-24-69	AS NOTED	GDC

[illegible] 10	7-22-68
[illegible] 49	1-6-69
[illegible]	10-15-68
[illegible] 15 & 16	7-22-68
[illegible] AB4 42	10-15-68
[illegible] 124	1-6-69
[illegible] 25 & 26	1-6-69
[illegible] AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

[illegible] PANEL DETAILS

[illegible] N.Y.C.

[illegible] AUTHORITY

BLDG. A FLOORS 44 (NORTH ONLY)

PANEL E3N - 20' x 59'-0¾"

BLDG. B FLOORS 44 (WEST & EAST)

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION FOR P. of N.Y.A. 6/12/69

APPROVED FOR FABRICATION FOR FABRICATOR — DATE

DETAILED BY R. CARL WOLF

DESIGN DRAWING NO. 7-AB3 49

DRAWN BY GDC
DATE APRIL 2, 1969

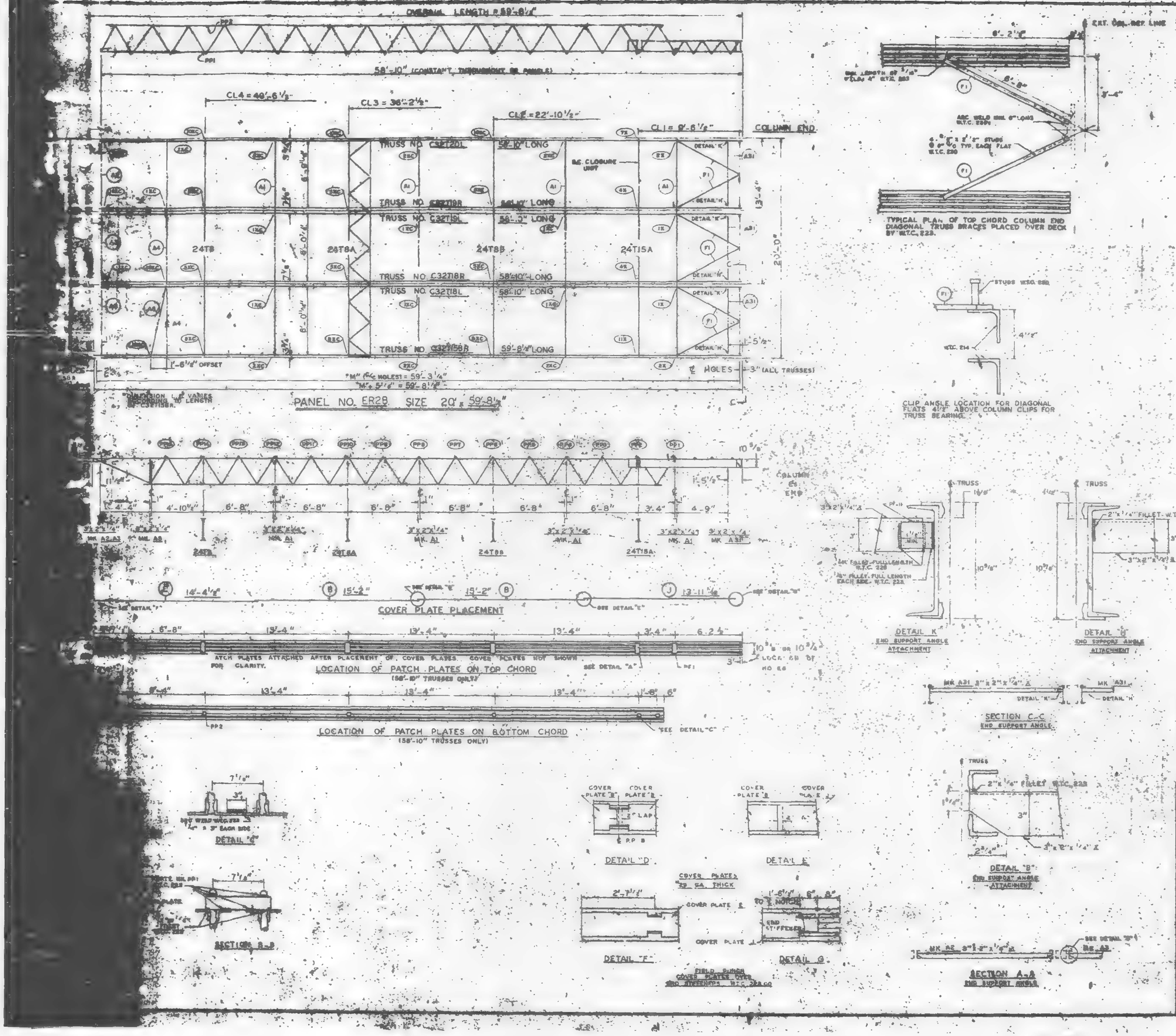
CHECKED BY T.M.CHURA
DATE APRIL 2, 1969

FABRICATION CONT. NO. W.T.C. 221

PLATE

IN CHARGE OF PROD. DEPT.

SHEET NO. E3N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15B	1	C32T15BR x 59'-8 1/2"	ST [illegible]
	[illegible]	1	[illegible]	ST [illegible]
	[illegible]	1	[illegible]	
	[illegible]	1	[illegible]	ST [illegible]
	T20L	1	C32T20L x 58'-10"	ST [illegible]
BRIDGING TRUSSES	T8	1	24T8 x 18'-11"	ST [illegible]
	T8A	1	24T8A x 18'-11"	ST [illegible]
	T8B	1	24T8B x 18'-11"	ST [illegible]
	T15A	1	24T15A x 18'-11"	ST 214
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 18'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 8'-11"	ST 409
	A3	1	3" x 2" x 1/4" x 8'-11"	ST 409
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 8'-6"	ST 408
	A31	3	3" x 2" x 1/4" x 5'-6 1/6"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/8" x 5/8" x 6'-6"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" □ x 6'-6 1/2"	ST 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
	CB2	6	1" ϕ x 1'-3"	ST 400
	CB3	6	1 3/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 405

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X)
ALL CONNECTION DETAILS FOR FLOORS 26, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 228.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 6/6/69 By SR

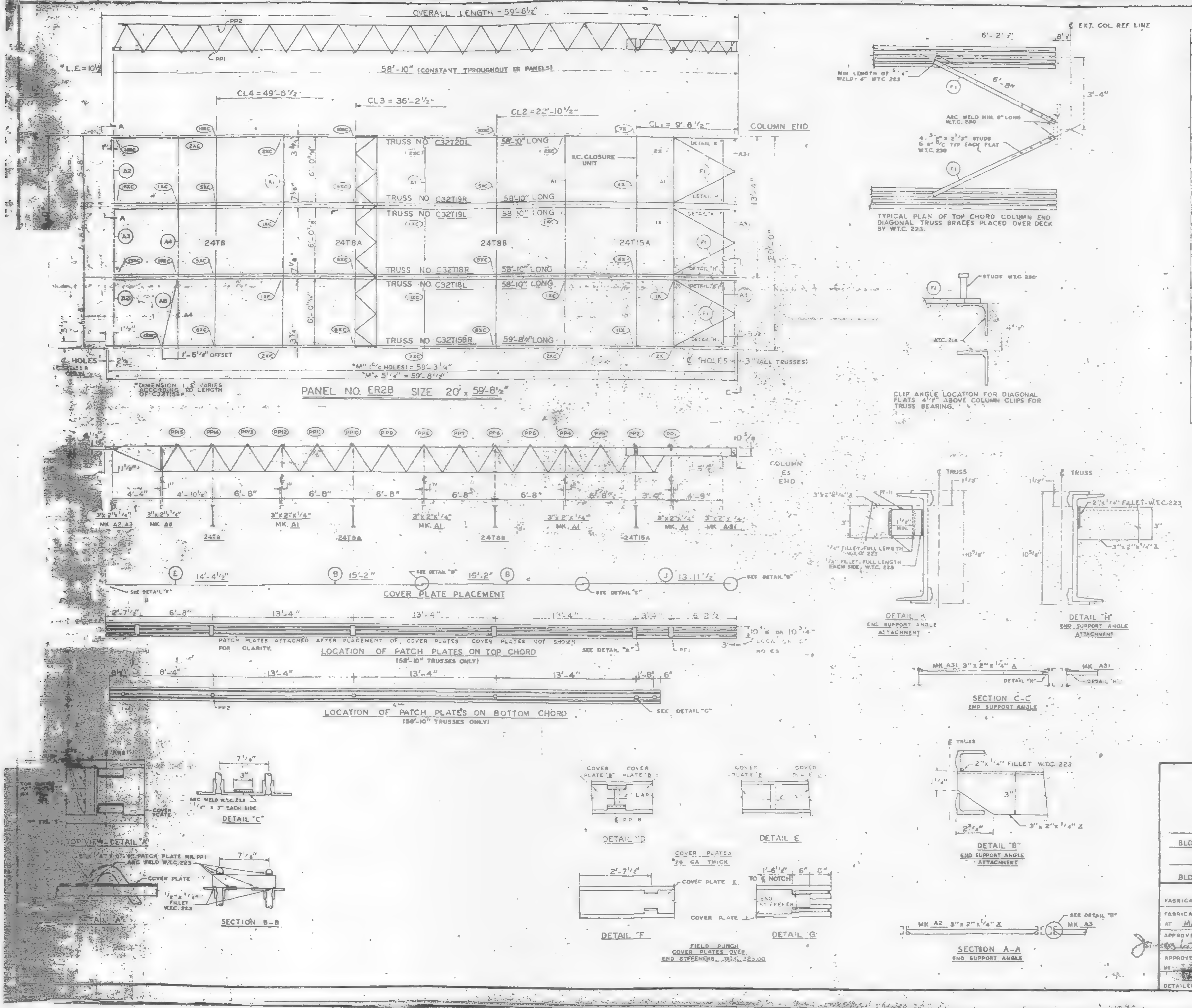
REF. DRWG.

7-AB3-33	[illegible]
7-AB3-24	[illegible]
7-AB1-14, 17, 18 & 19	[illegible]
7-AB2-31	[illegible]
7-AB2-14	[illegible]
SA-124	[illegible]

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.
FOR
THE PORT OF NEW YORK AUTH[illegible]

BLDG. A FLOORS 92 (NORTH)
PANEL [illegible] 20' x 59'-8"
BLDG. B FLOORS 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
DATE
DRAWN BY
DATE APRIL 2[illegible]
CHECKED BY
DATE APRIL 2[illegible]



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T15BR	1	C32T15BR x 59'-8 1/2"	ST 215BL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20L	1	C32T20L x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3" x 2" x 1/4" ANGLE	A1	4	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-1 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A4	1	3"x2"x1/4"x13'-3"	ST 403
	A8	1	3"x2"x1/4"x6'-8 5/8"	ST 405
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	BC	1	1 1/4" ☐ x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2"x1 1/2"x.25"x 6"	ST 400
	C2	4	2 1/2"x1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" ø x 1'-3"	ST 400
	CB2	6	1 3/8" ø x 1'-3"	ST 400
	CB3	6	1 5/8" ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
⚠1	6-13-69	AS NOTED	GDC

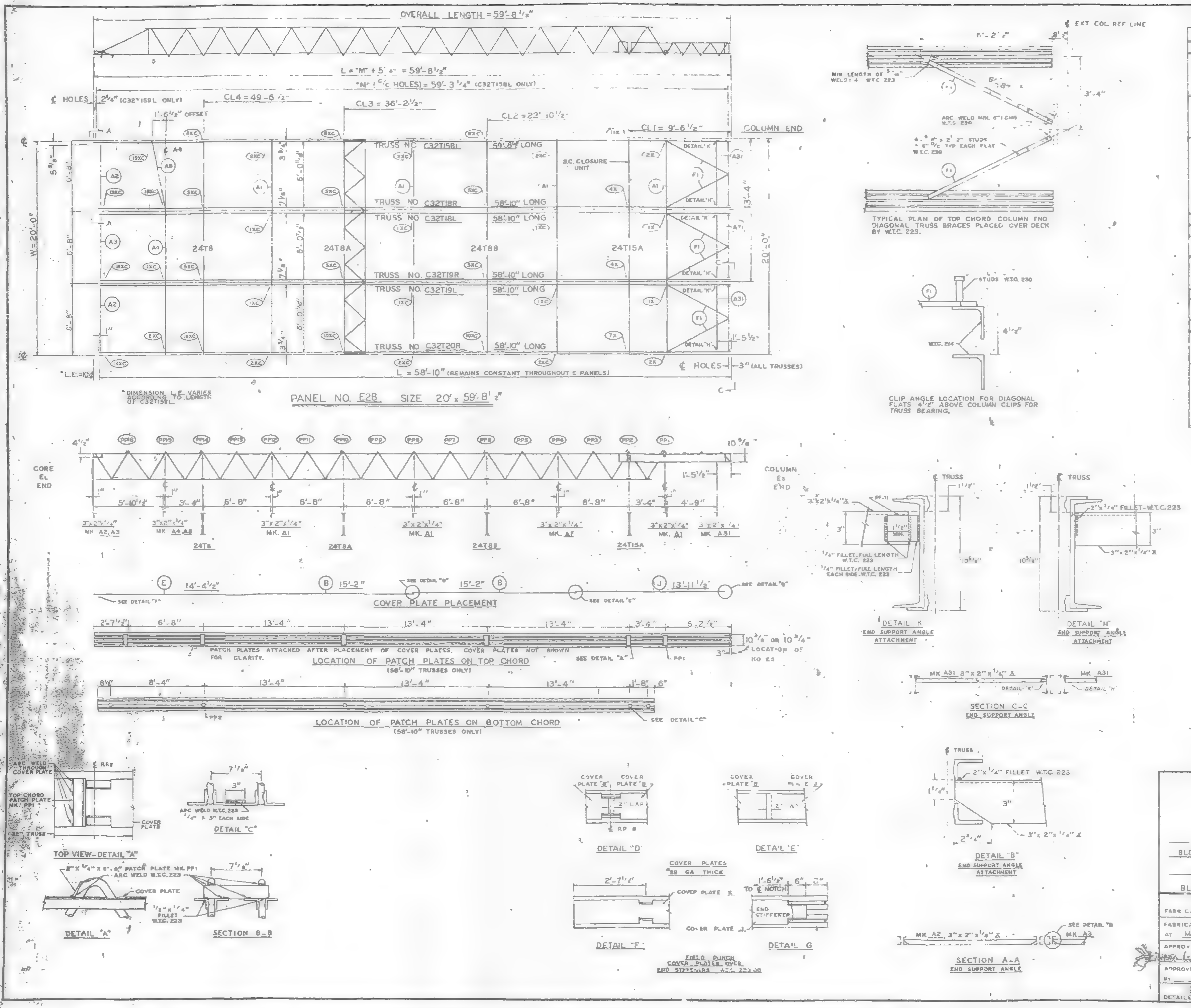
REF. DRWG.

7-AB3-33	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)
PANEL ER2B - 20' x 59'-8 1/2"
BLDG. B FLOORS 92 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-32, PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA DATE 7/28/69
DRAWN BY [initials] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP ER2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15BL	1	C32T15BL x 59'-8 1/2"	ST 215BL
	T18L	1	C32T18L x 58'-10"	ST 218L
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	ST 219L
	T19R	1	C32T19R x 58'-10"	
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 9'-[illegible]	ST 403
	A2	2	3" x 2" x 1/4" x 5'-[illegible] 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-[illegible] 3/4"	ST 403
	A4	1	3" x 2" x 1/4" x 3'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0-2 3/8	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" D x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/8" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 40[illegible]
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.		
	7-AB3-32	10-4-68
	7-AB3-24	8-15-68
	7-AB1-14, 17, 18 & 19	10-4-68
	7-AB2-3	7-22-68
	7-AB2-14	10-4-68
	SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

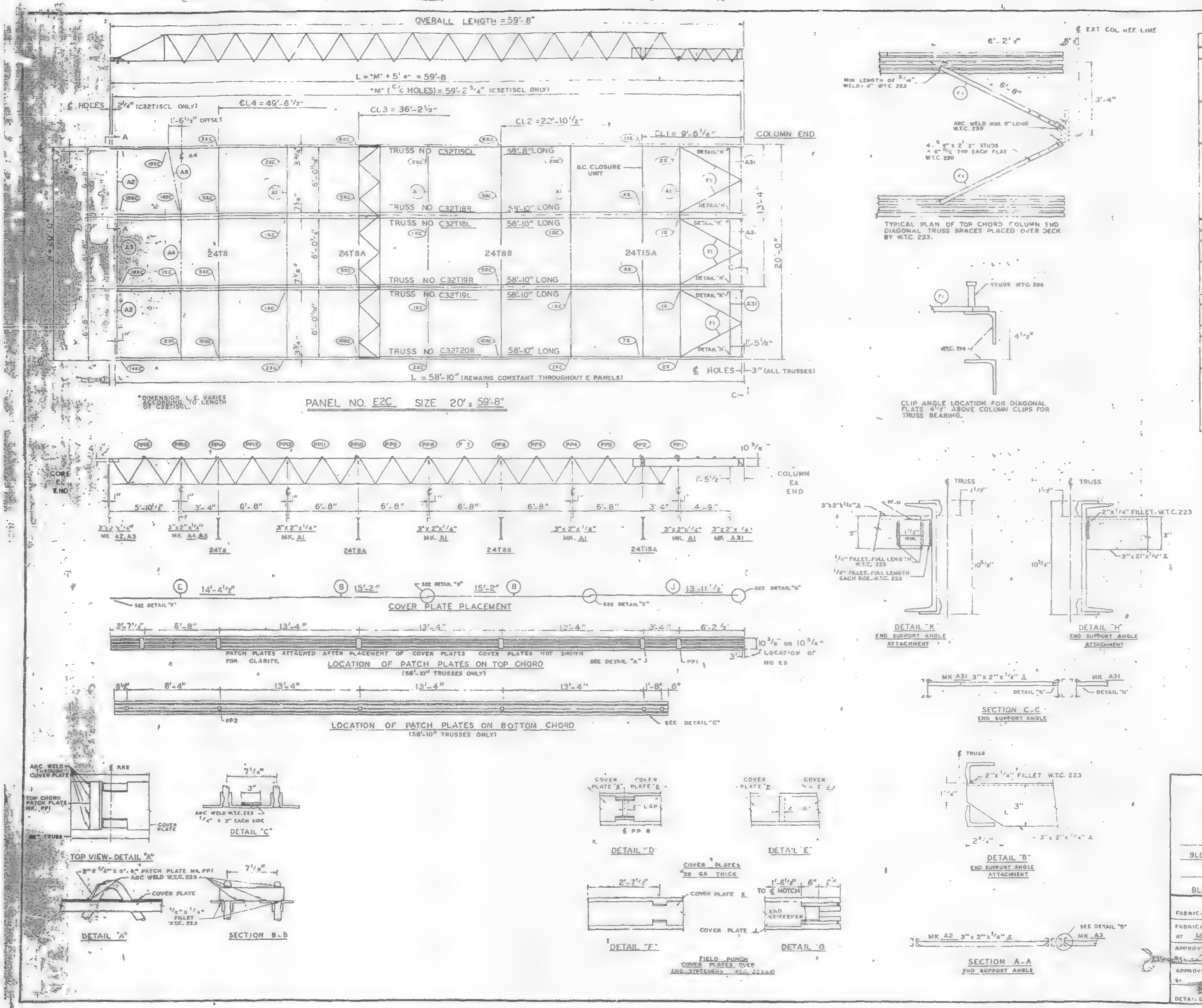
BLDG. A FLOORS 92 (NORTH)

PANEL E2B - 20' x 59'-8 1/2"

BLDG. B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-32	PLATE
APPROVED FOR FABRICATION [signature] FOR P.O.N.Y.A.	DATE 6/6/69	DRAWN BY [signature] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.N. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP E2B



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T15CL	1	C32T15CL x 59'-8"	ST 215CL
	T18L / T18R	1 / 1	C32T18L x 58'-10" / C32T18R x 58'-10"	ST 218L
	T19L / T19R	1 / 1	C32T19L x 58'-10" / C32T19R x 58'-10"	ST 219L
	T20R	1	C32T20R x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4 x5'-11 9/16"	ST 403
	A3		3"x 2"x 1/4 x5'-11 3/4"	ST 403
	A4	1	3"x 2"x 1/4 x13'-3"	ST 403
	A8	1	3"x 2"x 1/4 x 6'-8 5/8"	ST 405
	A31	3	3"x 2"x 1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-1	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4 1/2"	ST 303
	J	3	9"x .0135" x13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1 1/4" O x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x.25"x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x.25"x 5"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" ø x 1'-3"	ST 400
	CB2	6	1 3/16" ø x 1'-3"	ST 400
	CB3	6	1 5/8" ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO	DATE	REVISION	BY

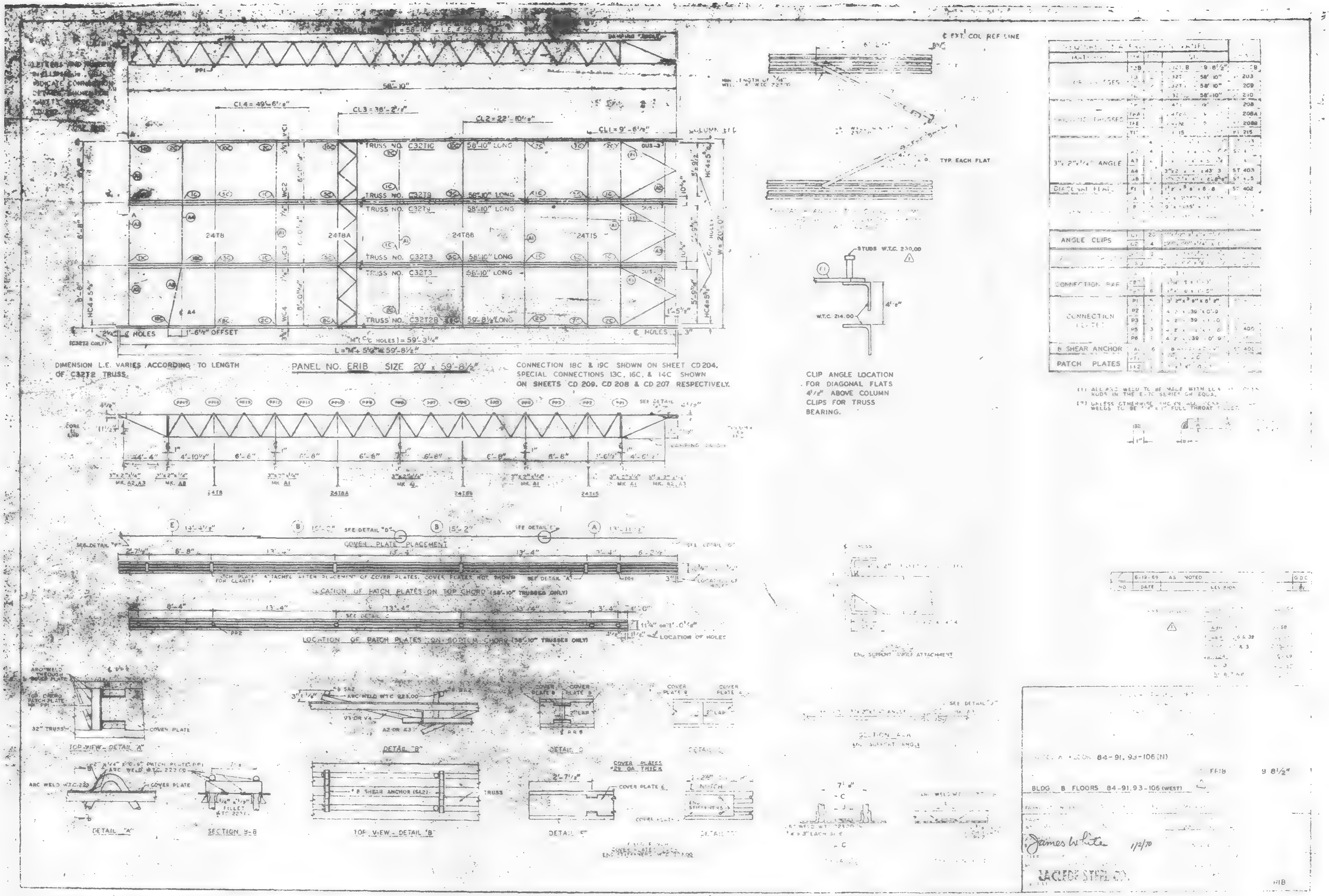
REF DRWG.

7-AB3-32	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-18	10-4-68
SA-124	10-11-68

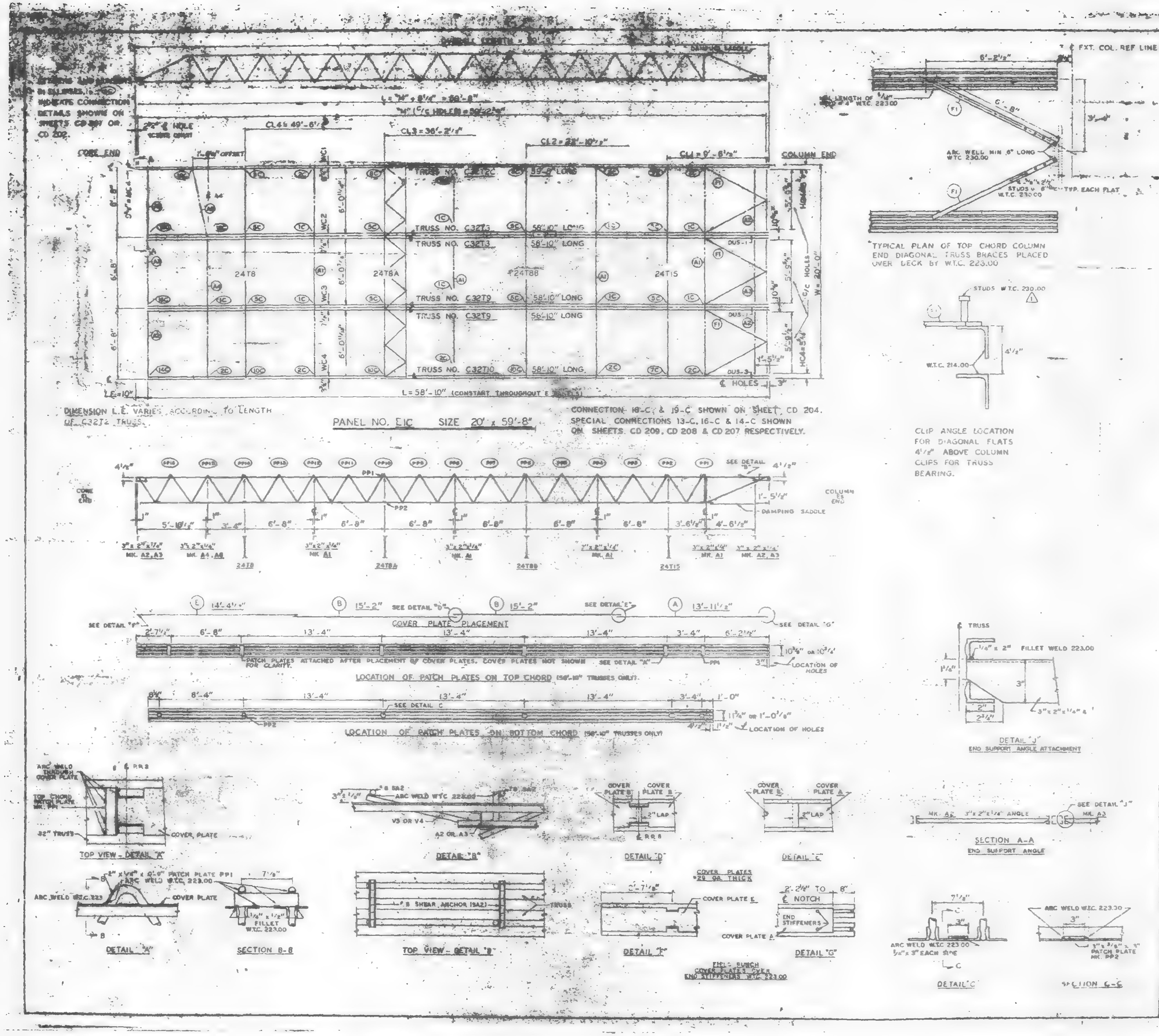
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL E2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATE AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-32 PLATE
APPROVED FOR FABRICATION BY FOR PONYA DATE 6/6/69
DRAWN BY Ruck DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY TM CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP E2C



OVERALL LENGTH = 58'-10" L.E. = 59'-8 1/2"
58'-10"
CL4 = 49'-6 1/2"
CL3 = 38'-2 1/2"
CL2 = 22'-10 1/8"
CL1 = 9'-6 1/8"
TRUSS NO. C32T10 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
24T8
24T8A
24T8B
24T15
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2B 59'-8 1/2" LONG
W = 20'-0"
"M" (C-C HOLES) = 59'-3 1/4"
L = "M" + 5 1/4" = 59'-8 1/2"
℄ HOLES
1'-6 1/2" OFFSET
(C32T2 ONLY)
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ER1B SIZE 20' x 59'-8 1/2"
CONNECTION 18C & 19C SHOWN ON SHEET CD 204. SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
℄ EXT. COL REF LINE
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
B SHEAR ANCHOR
PATCH PLATES
3" x 2" x 1/4" ANGLE
DIAGONAL FLAT
4'-4"
4'-10 1/2"
6'-6"
6'-8"
3'-6 1/2"
4'-6"
24T8
24T8A
24T8B
24T15
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
13'-4"
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
LOCATION OF HOLES
END SUPPORT ANGLE ATTACHMENT
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
B SHEAR ANCHOR (SA2)
COVER PLATES 20 GA THICK
COVER PLATE E
NOTCH
SECTION A-A
END SUPPORT ANGLE
6-19-69 AS NOTED
BLDG B FLOORS 84-91, 93-106 (WEST)
84-91, 93-106 (N)
ER1B
James White 1/2/70
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - 19'-11"	ST 208B
	T15	1	24T15 - 19'-11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11"	ST 403
	A4	1	3" x 2" x 1/4" x [illegible] 3'	ST 403
	A8	1	3" x 2" x 1/4" x 6'-[illegible]	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C7	4	[illegible]	ST 400
DAMPING SADDLE	[illegible]	2	[illegible]	ST 298
	[illegible]	1	[illegible]	ST 298
CONNECTION BAR	CB	1	[illegible]	ST 400
	CB2	6	[illegible]	ST 400
	[illegible]	6	[illegible]	[illegible]
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	P2	[illegible]	[illegible]	ST 400
	P3	[illegible]	[illegible]	ST 400
	P5	[illegible]	[illegible]	ST 400
	P6	1	[illegible] x 0'-9"	[illegible]
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

1	8-18-69	AS NOTED	
NO	DATE	REVISION	

REF. DRWGS.

- T-ABC-[illegible]
- T-AB1-11
- T-AB4-[illegible]
- T-AB4-15 & 16, 39
- T-AB4-42 & 3 — 10-15-58
- Sa-124
- T-AB1-3
- T-AB1-6, 7 & 8

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91, 93-10[illegible] (S)
PANEL E1C - [illegible] 8"
BLDG. B FLOORS 50-58, 60-74, 79-91, 93-106 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY [signature] DATE 1/2/70

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

DETAILED BY LACLEDE STEEL CO.

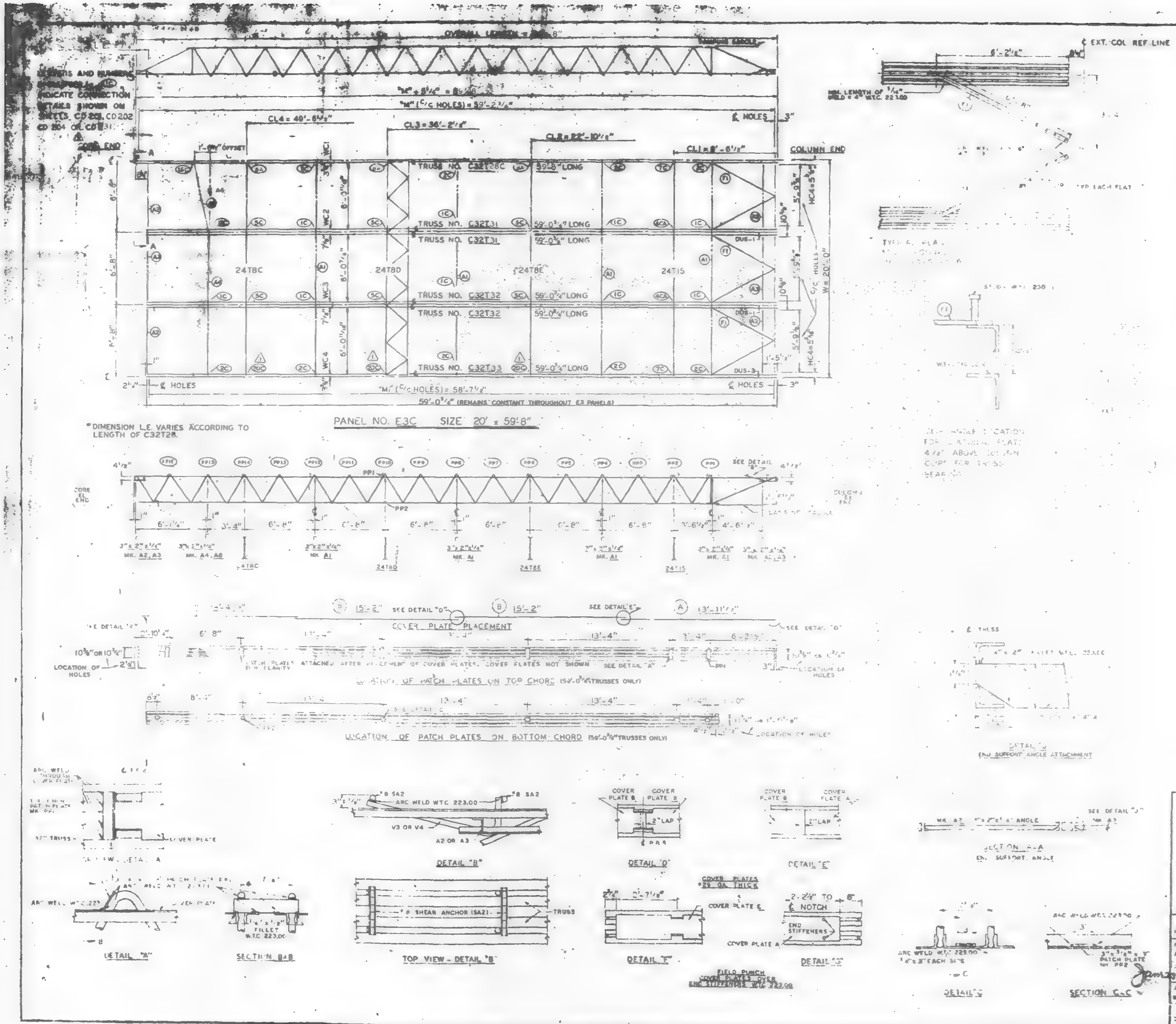
DESIGN DRAWING NO. T-AB3-11

DRAWN BY [illegible] DATE NOV. 1, 1968

CHECKED BY T.M. [illegible] DATE NOV. 4, 1968

FABRICATION CONT. NO. W.T.C. 221

SHEET FP E1C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28	1	C32T28C - 58'-8"	ST 228C
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	[illegible]	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 18'-11"	ST 208C
	T8D	1	24T8D - 18'-11"	ST 208D
	T8E	1	24T8E - 18'-11"	ST 208E
	T15	1	24T15 - 18'-11"	ST 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]"	ST 403
	A4	1	3" x 2" x ¼" x [illegible] 3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	ST 402
[illegible] PLATES	A	3	[illegible] x 0.039" x 13'-11[illegible]"	ST 303
	B	6	[illegible] x 0.039" x 15'-2"	ST 303
	E	[illegible]	[illegible] x 0.039" x 14'-[illegible]"	ST 303
[illegible] CLIPS	C1	[illegible]	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
[illegible] SADDLE	[illegible]	2	3½" x 2½" x ⅜" x 3'-6[illegible]"	ST 298
	[illegible]	1	3½" x 2½" x ⅜" x 3'-6[illegible]"	ST 298
CONNECTION BAR	[illegible]	1	1" ϕ x 1'-3"	ST 400
	[illegible]	[illegible]	⅝" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P15	6	6½" x ½" x 2'-9"	ST 416
	[illegible]	5	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	4½" x ¼" x 1'-8"	ST 400
	P[illegible]	[illegible]	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-[illegible]"	ST 4[illegible]
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. HOGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE		REVISION	BY
1	8-4-69	AS NOTED		G.D.C.

7-AB2-19 1-6-69

[illegible] 25 & 28 1-6-69

[illegible] 29 & 30 1-6-69

BLDG. A FLOORS 78 (SOUTH)

PANEL E3C - 20' x 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 AB3 48

PLATE

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 8/11/69

DRAWN BY G.D.C. DATE APRIL 2, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

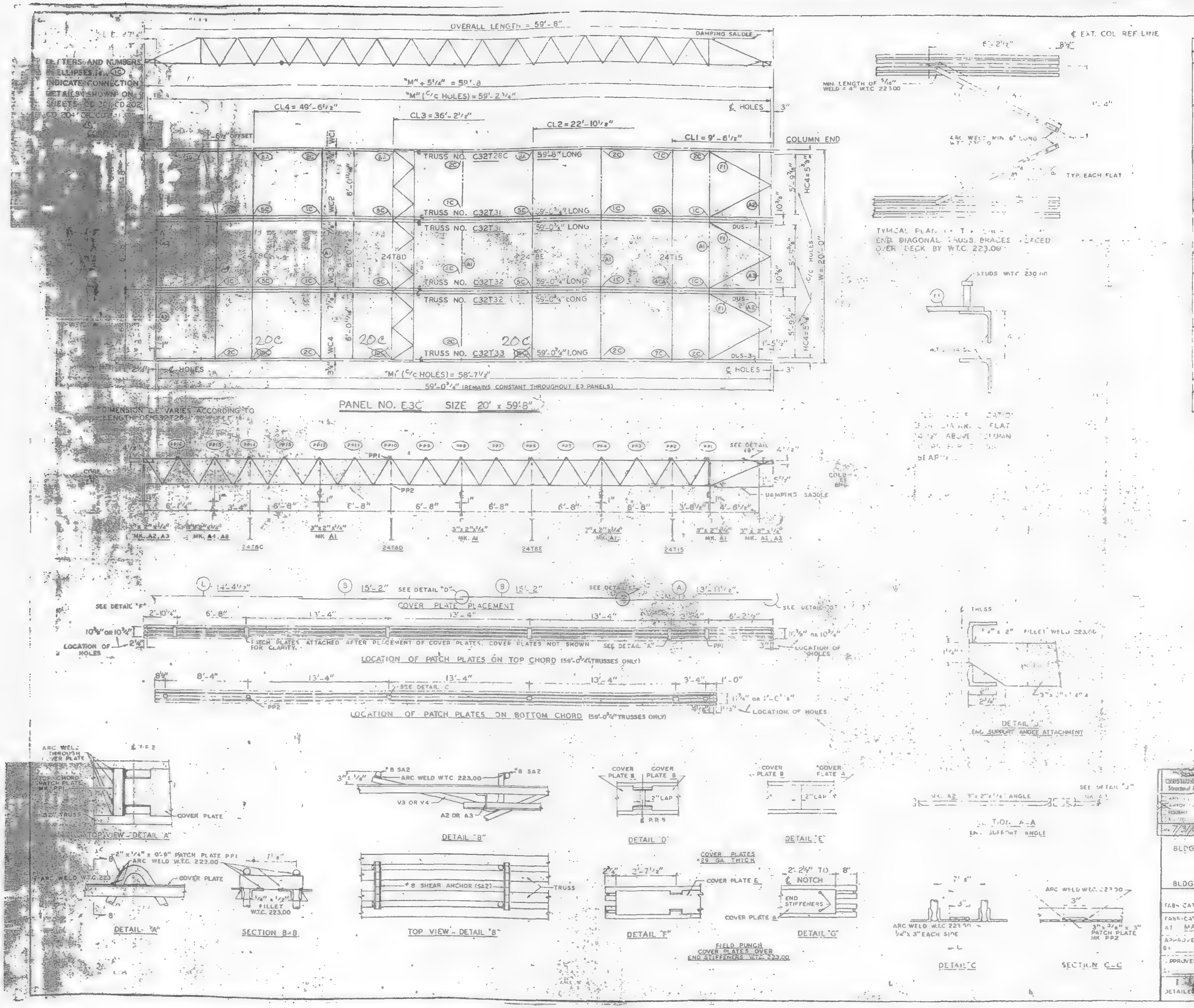
CHECKED BY [illegible] CHURA DATE APRIL 2, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A. CARL WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP E3C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T28C	1	C32T28C - 59'-8"	ST 228C
	T31	2	C32T31 - 59'-0 3/4"	ST 231
	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-5 [illegible]"	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	3/4" ϕ x 1'-3"	ST 400
	CB3	6	5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	[illegible]	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	#8 REBAR x 0'-8"	[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

6 1/2" x 2'-9"

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWS.

7-AB2-10	7-22-68
7-AB3-49	1-6-69
7-AB4-3	10-15-68
7-AB4-5 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
Structural & Civil Engineers
APPROVED AS NOTED — 7/31/69

FLOOR PANEL DETAILS

[illegible] AUTHORITY

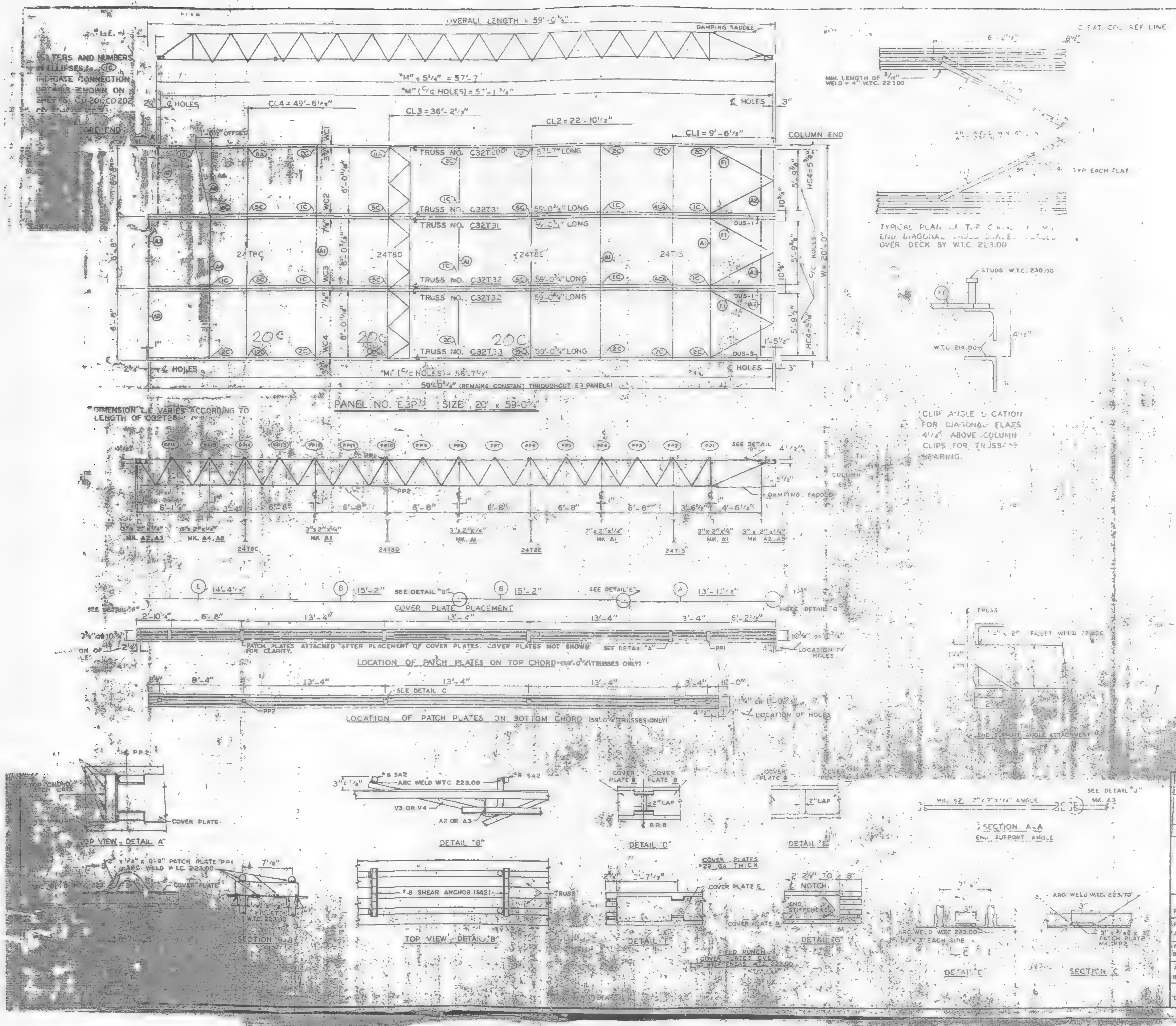
BLDG. A FLOORS 78 (SOUTH)

PANEL E3C - 20' x 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3 49	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A	DATE	DRAWN BY: gdc DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEV.
DETAILED [redacted]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E3C



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T28P	1	C32T28P 57'-7"	ST 228P
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-1"	ST 403
	A2	4	3" x 2" x ¼" x [illegible]	ST 403
	A3	2	3" x [illegible] x ¼" x 5' [illegible]	ST 403
	A4	[illegible]	[illegible]	ST 403
	A8	[illegible]	[illegible]	ST 405
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] PLATES	[illegible]	[illegible]	[illegible]	ST 403
	B	[illegible]	[illegible]	ST 403
	[illegible]	[illegible]	[illegible] 4'-4½"	ST 403
ANGLE CLIPS	C1	[illegible]	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	[illegible]	2	3½" x 2½" x ⅜" x 3'-6⅞"	ST 298
	[illegible]	[illegible]	3½" x [illegible] x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB	1	[illegible] - 3'	ST 400
	CB2	[illegible]	[illegible] 3"	ST 400
	CB7	6	[illegible] x 1'-5"	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	P2	1	[illegible] x 0'-8"	ST 400
	P4	1	[illegible] x 1'-0"	ST 400
	P5	3	[illegible] x ¼" x 1'-6"	ST 400
	P6	1	[illegible] x 0'-4"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 410
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

6½" x ½" x 2'-9"

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

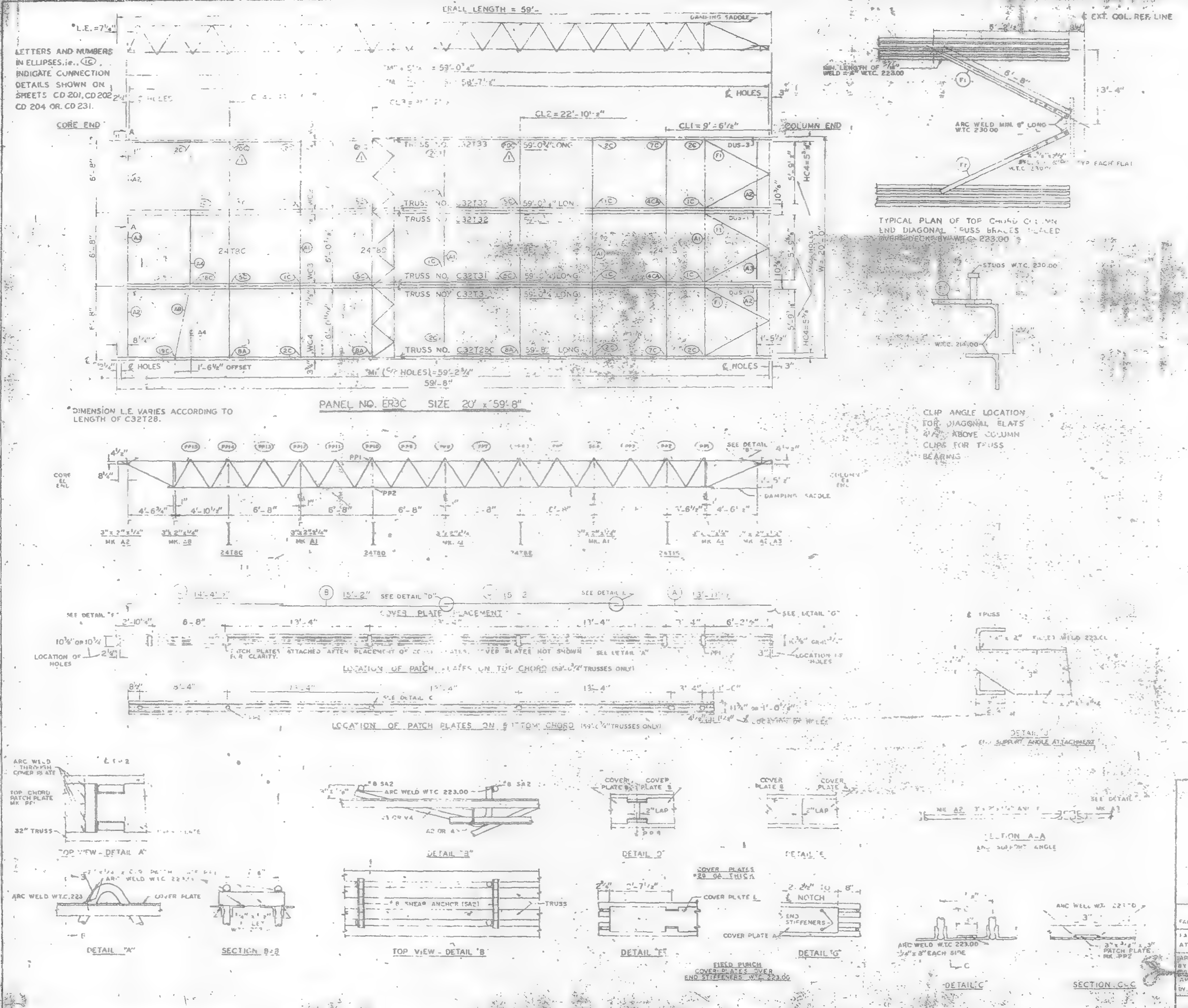
7-A82-10	7-22-68
7-A63-49	1-6-69
7-A64-3	10-15-68
7-A64-15 & 16	7-22-68
7-A64-42	10-15-68
SA-124	1-6-69
7-A81-25 & 28	1-6-69
7-A81-29 & 30	1-6-69
7-A82-19	1-6-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (NORTH)
PANEL E3P 20' x 59'-0¾"
BLDG. B FLOORS 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83 49	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: gdc DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E3P



REQ'D [illegible]				
MARK [illegible]				
FLOOR TRUSSES	T28C*	1	C32T28C - 59'-8"	ST 228C
	T31	2	C32T31 [illegible]	ST 231
	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 [illegible]	ST 233
[illegible]	T8C	[illegible]	[illegible] 19'-11"	BT [illegible] 8C
	T8D	[illegible]	[illegible] 19'-11"	BT [illegible] 8D
	T8E	[illegible]	[illegible] 19'-11"	BT [illegible] 8E
	T[illegible]	[illegible]	[illegible] 19'-11"	BT [illegible]
3 1/2" x 2 [illegible] ANGLE	A1	4	[illegible] 9'-11"	ST 403
	A2	4	[illegible] 5'-1 [illegible]	ST 403
	A3	[illegible]	[illegible]	[illegible]
	A4	[illegible]	[illegible]	[illegible]
	A8	[illegible]	[illegible]	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible] 8'	[illegible]
COVER PLATE	A	[illegible]	[illegible] .0135" x 13'-11 [illegible]	ST 303
	B	[illegible]	[illegible] .0135" x 15'-2"	ST 303
	E	[illegible]	[illegible] .0135" x 4'-4 [illegible]	ST 303
ANGLE CLIPS	C1	[illegible]	2" x [illegible] x 1/4" x 0'-6"	ST 400
	C2	4	[illegible] x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" [illegible]	ST 268
	DUS-3	1	3 1/2" x 3 1/2" [illegible]	ST 268
CONNECTION BAR	CB1	[illegible]	[illegible] - 3' [illegible]	ST 400
	CB2	[illegible]	[illegible] 1'-[illegible]	ST 400
CONNECTION PLATES	P15	6	6 1/2" x [illegible] x 2'-9"	ST 416
	P1	5	3 1/2" x [illegible]	ST 400
	P2	[illegible]	[illegible]	[illegible] 400
	P3	1	4 1/2" [illegible]	ST 400
	P5	[illegible]	4 1/2" x [illegible] x 1'-6"	ST 400
	P6	1	[illegible]	ST 40[illegible]
8 SHEAR [illegible]	SA2	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	[illegible]	2" x [illegible] x 0'-3"	ST 400
	PP2	[illegible]	3" x [illegible] x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

1	8-4-69	AS NOTED
NO.	DATE	REVISION

7-[illegible]	7-22-68
7-AB3-50	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
7-AB4-42	10-15-68
8A-14	1-6-69
7-AB 29 & 30	1-6-69
7-AB1-33 & 34	1-6-69
7-AB2-19	1-6-69

THE [illegible] NEW YORK [illegible]

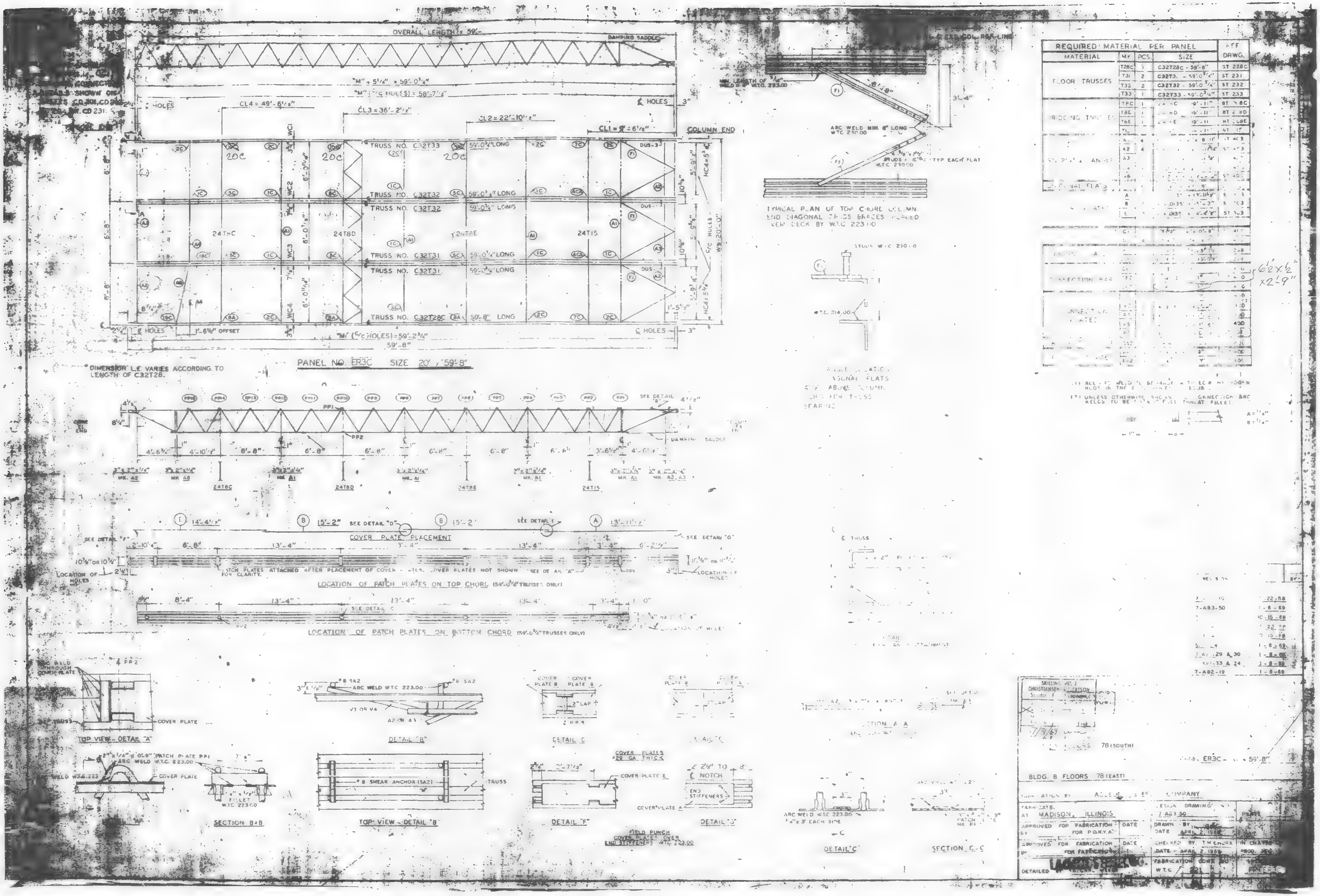
[illegible] 78 (SOUTH)

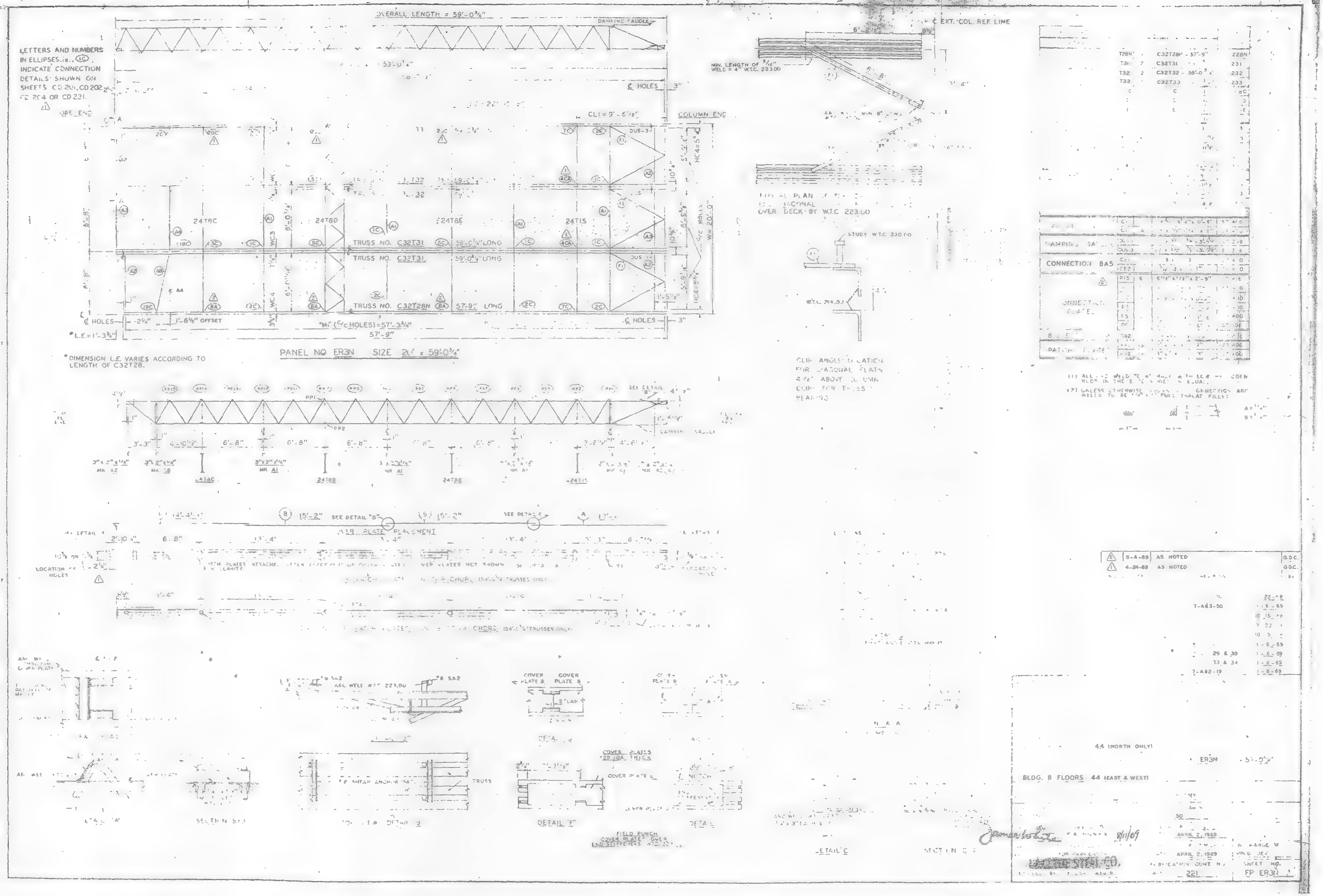
PANEL ER3C - 20' x 59'-8"

BLDG. B FLOORS 78 (EAST)

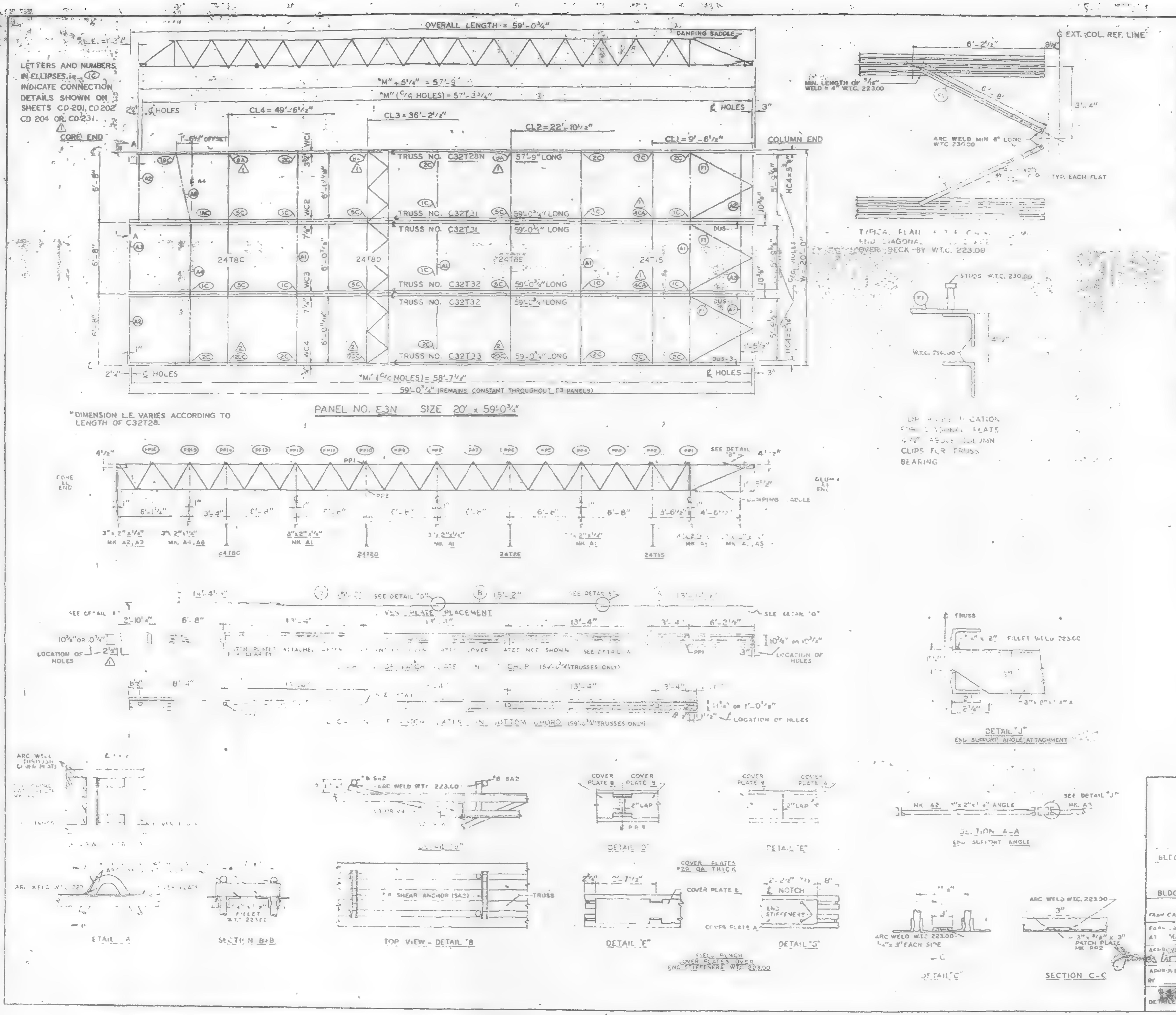
FABRICATION BY [illegible] STEEL COMPANY

FABRICATE AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3 50	PLATE [illegible]
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 8/11/69	DRAWN BY [illegible] DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T. MCCHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. [illegible] 221	SHEET NO. FP ER3C


OVERALL LENGTH = 59'-
DAMPING SADDLE
"M" + 5 1/4" = 59'-0 3/4"
"M" (C/C HOLES) = 58'-7 1/2"
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
COLUMN END
TRUSS NO. C32T33
59'-0 3/4" LONG
TRUSS NO. C32T32
TRUSS NO. C32T31
TRUSS NO. C32T28C
59'-8" LONG
24THC
24T8D
24T8E
24T15
C/C HOLES
"M" (C/C HOLES) = 59'-2 3/4"
59'-8"
1'-8 1/2" OFFSET
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
PANEL NO. ER3C SIZE 20' x 59'-8"
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED
ARC WELD MIN. 6" LONG W.T.C. 230.00
STUDS W.T.C. 230.0
REQUIRED MATERIAL PER PANEL
MATERIAL
MK
PCS.
SIZE
REF. DRWG.
FLOOR TRUSSES
T28C 1 C32T28C - 59'-8" ST 228C
T31 2 C32T31 - 59'-0 3/4" ST 231
T32 2 C32T32 - 59'-0 3/4" ST 232
T33 1 C32T33 - 59'-0 3/4" ST 233
6 1/2" x 1/2" x 2'-9"
DAMPING SADDLE
24T8C
24T8D
24T8E
24T15
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
LOCATION OF PATCH PLATES ON TOP CHORD (59'-0 3/4" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (59'-0 3/4" TRUSSES ONLY)
COVER PLATE
TOP VIEW - DETAIL "A"
ARC WELD W.T.C. 223.00
DETAIL "B"
DETAIL "E"
PATCH PLATE PP1
ARC WELD W.T.C. 223.00
SECTION B-B
#8 SHEAR ANCHOR (SA2)
TRUSS
TOP VIEW - DETAIL "B"
COVER PLATES 22 GA. THICK
COVER PLATE E
DETAIL "F"
NOTCH
END STIFFENERS
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
ARC WELD W.T.C. 223.00
DETAIL "C"
SECTION C-C
7-AB3-50
7-AB2-19
78 (SOUTH)
ER3C
59'-8"
BLDG. 8 FLOORS 78 (EAST)
MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
APPROVED FOR FABRICATION
DESIGN DRAWING
DRAWN BY
DATE APRIL 2, 1969
CHECKED BY
FABRICATION
DETAILED



OVERALL LENGTH = 59'-0¾"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231.
COLUMN END
C EXT. COL. REF. LINE
MIN. LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
24T8C
24T8D
24T8E
24T15
TRUSS NO. C32T32
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T28N 57'-9" LONG
HC4=5'-3¾"
C/C ROLLS W=20'-0"
C HOLES
1'-6½" OFFSET
"M" (C/C HOLES)=57'-3¾"
57'-9"
*L.E=1'-3¾"
PANEL NO. ER3N SIZE 20' x 59'-0¾"
*DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS
CONNECTION BAS
CONNECTION PLATES
4'-10½"
6'-8"
6'-8"
6'-8"
3'-3"
SEE DETAIL "D"
COVER PLATE PLACEMENT
LOCATION OF HOLES
COVER PLATE B
DETAIL "E"
COVER PLATES 20 GA. THICK
FIELD PUNCH COVER PLATE OVER END STIFFENERS
8-4-69 AS NOTED G.D.C.
4-24-69 AS NOTED G.D.C.
7-AB3-50
7-AB2-19
29 & 30
33 & 34
44 (NORTH ONLY)
ER3N
BLDG. B FLOORS 44 (EAST & WEST)
8/11/69
APRIL 2, 1969
APRIL 2, 1969
SHEET NO.
221
FP ER3N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28N	1	C32T28N - 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A4	1	3" x 2" x ¼" x 13' 3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8⅜"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x [illegible]'-9"	[illegible]
[illegible] PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	[illegible]	[illegible] x 1'-3"	ST 400
	CB2	[illegible]	3/16" x 1'-3"	ST 400
CONNECTION PLATES △2	P1F	[illegible]	6½" x ½" x 2'-9"	ST 416
	[illegible]	5	[illegible]	ST 400
	P2	1	4½" x [illegible] x 0'-8"	ST 400
	P3	1	4½" x [illegible] x 1'-0"	ST 400
	P5	3	4½" x [illegible] x 1'-6"	ST 400
	P6	[illegible]	4½" x [illegible]	ST 401
B SHEAR ANCHOR	SA2	[illegible]	[illegible] REBAR x 0'-8"	[illegible]
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
2	8-4-69	AS NOTED	G.D.C.
1	4-24-69	AS NOTED	G.D.C.

REF. DRWGS.

7-A52-49	7-22-68
7-A81-49	1-6-69
7-A84-[illegible]	10-15-68
7-A84-[illegible]	7-22-68
7-A84-42	10-15-68
SM-124	1-6-69
7-A81-25 & 28	1-6-69
7-A81-29 & 30	1-6-69
7-A82-19	1-8-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (NORTH ONLY)

PANEL E3N - 20' x 59'-0¾"

BLDG. B FLOORS 44 (WEST & EAST) △1

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-49

PLATE

APPROVED FOR FABRICATION FOR P.O.N.Y.A. [signature] DATE 8/11/69

DRAWN BY gdc DATE APRIL 2, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

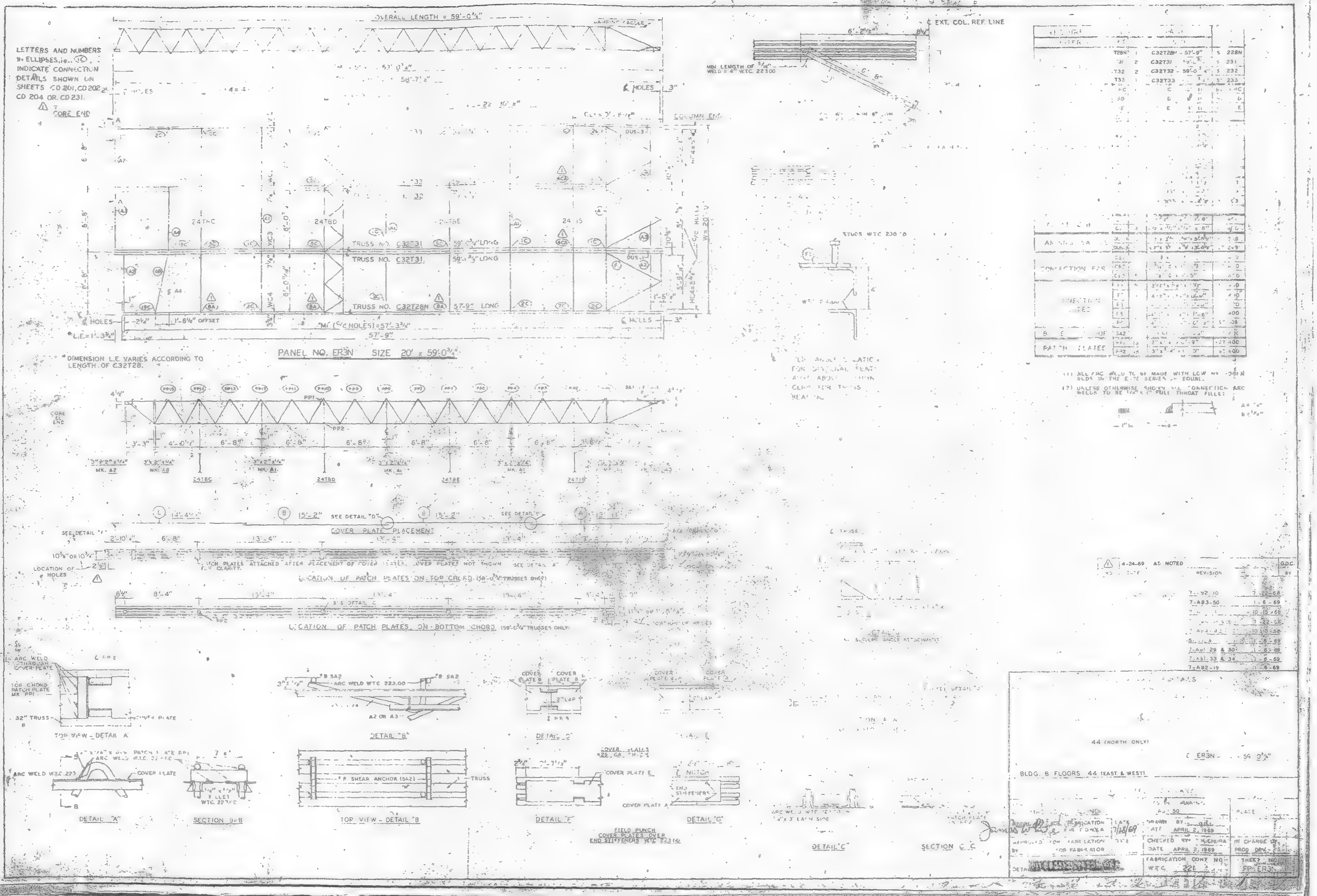
CHECKED BY T.M. CHURA DATE APRIL 2, 1969

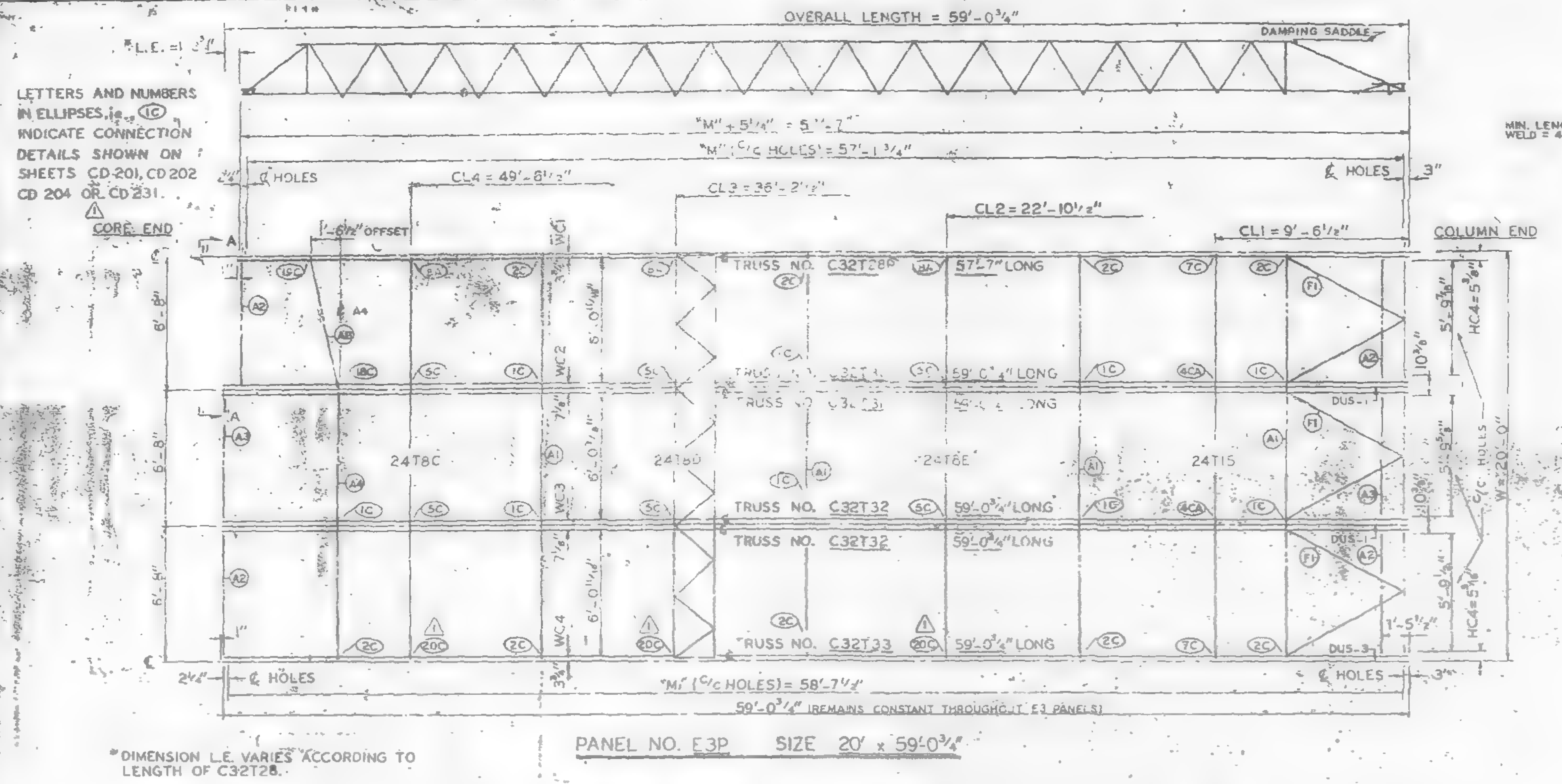
IN CHARGE OF PROD. DEV.

DETAILED BY A. CARL WEBER

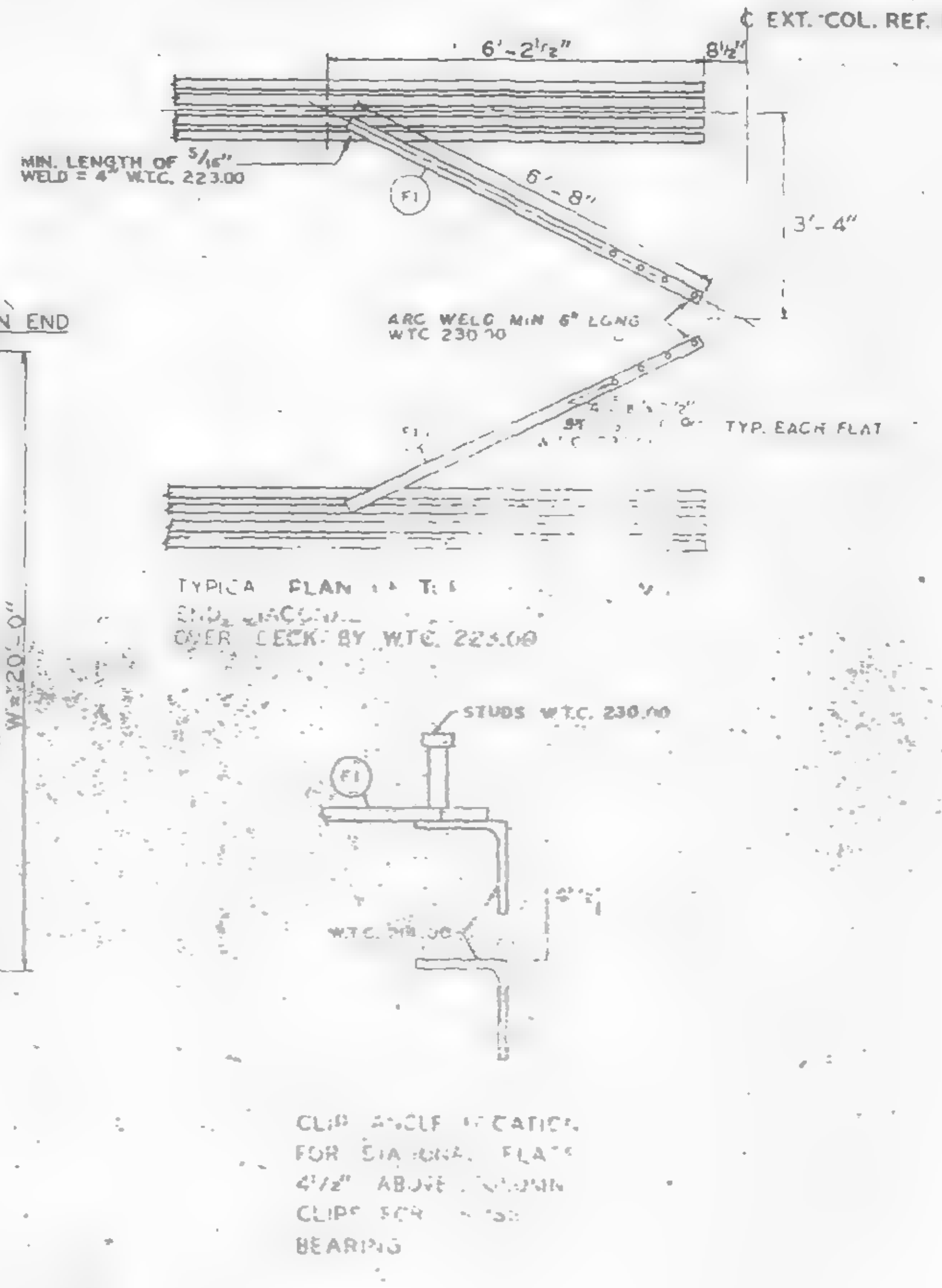
FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP E3N


OVERALL LENGTH = 59'-0¾"
LETTERS AND NUMBERS IN ELLIPSES, ie. INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231.
CORE END
COLUMN END
C EXT. COL. REF. LINE
MIN LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T28N 57'-9" LONG
PANEL NO. ER3N SIZE 20' x 59'-0¾"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
57'-9"
24TBC
24TBD
24TBE
24T15
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (59'-0¾" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (59'-0¾" TRUSSES ONLY)
CONNECTION E/S
PATCH PLATES
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK PP1
32" TRUSS
TOP VIEW - DETAIL A
ARC WELD W.T.C. 223.00
DETAIL "B"
DETAIL "D"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL B
SHEAR ANCHOR (SA2)
TRUSS
COVER PLATE E
COVER PLATE A
DETAIL "F"
DETAIL "G"
END STIFFENERS
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "C"
SECTION C-C
4-24-69 AS NOTED
REVISION
44 (NORTH ONLY)
BLDG. B FLOORS 44 (EAST & WEST)
DRAWN BY
DATE APRIL 2, 1969
CHECKED BY
DATE APRIL 2, 1969
FABRICATION CONT. NO.
W.T.C. 223
SHEET NO.
FP-ER3N



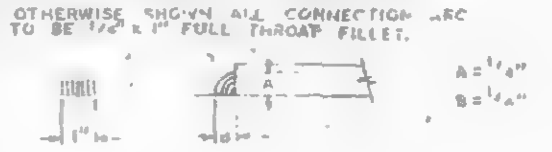
PANEL NO. E3P SIZE 20' x 59'-0¾"

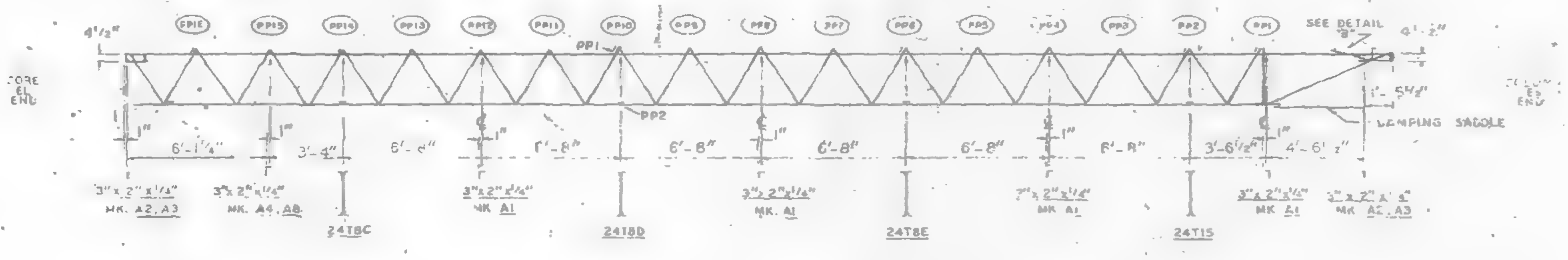


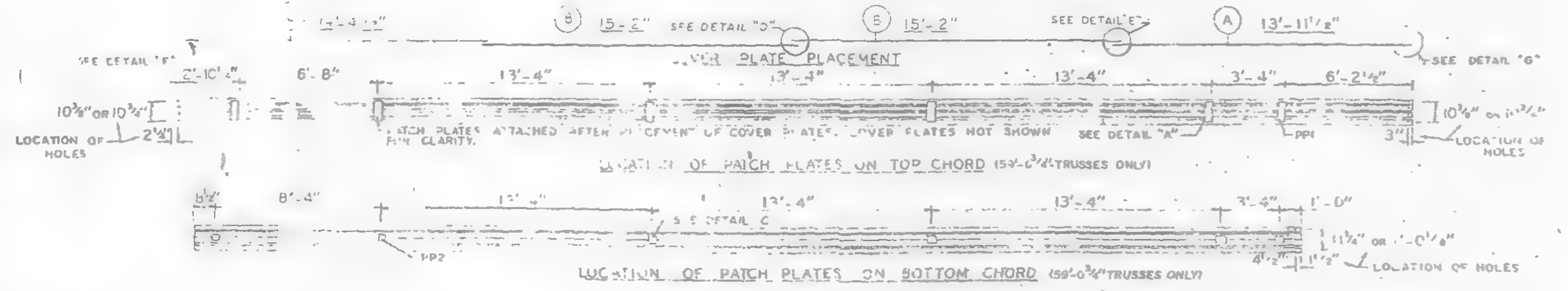
REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28P	1	C32T28P - 57'-7"	ST 228P
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x¼" ANGLE	A1	4	3"x 2"x¼"x 19'-11"	ST 403
	A2	4	3"x 2"x¼" x 5'-1[illegible]"	ST 403
	A3	2	3"x 2"x¼" x 5'-1[illegible]"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	3"x 2"x¼" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
[illegible] PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4⅞"	ST 303
ANGLE CLIPS	C1	[illegible]	2"x 1½"x ¼"x 0'-8"	ST 400
	C2	4	2½"x 1½"x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
	DUS-3	1	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" φ x 1'-3"	ST 400
	CB2	5	1⅛" φ x 1'-3"	ST 400
CONNECTION PLATES ⚠1	F1	6	6½" x 1½" x 2'-9"	ST 416
	[illegible]	5	[illegible]	ST 400
	F2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	[illegible]	ST 400
	PC	1	[illegible]	ST 401
"B" SHEAR ANCHOR	SA2	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	18	2" x ¼" x 0'-8"	ST 400
	PP2	18	3" x ⅜" x 0'-7"	ST 400

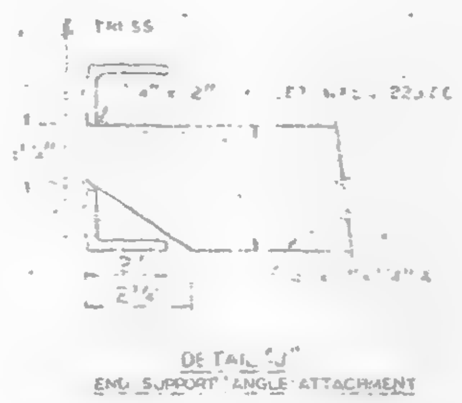
(1) ALL ARC WELD TO BE MADE WITH LOW HY... RODS IN THE E-70 SERIES OR EQUAL.

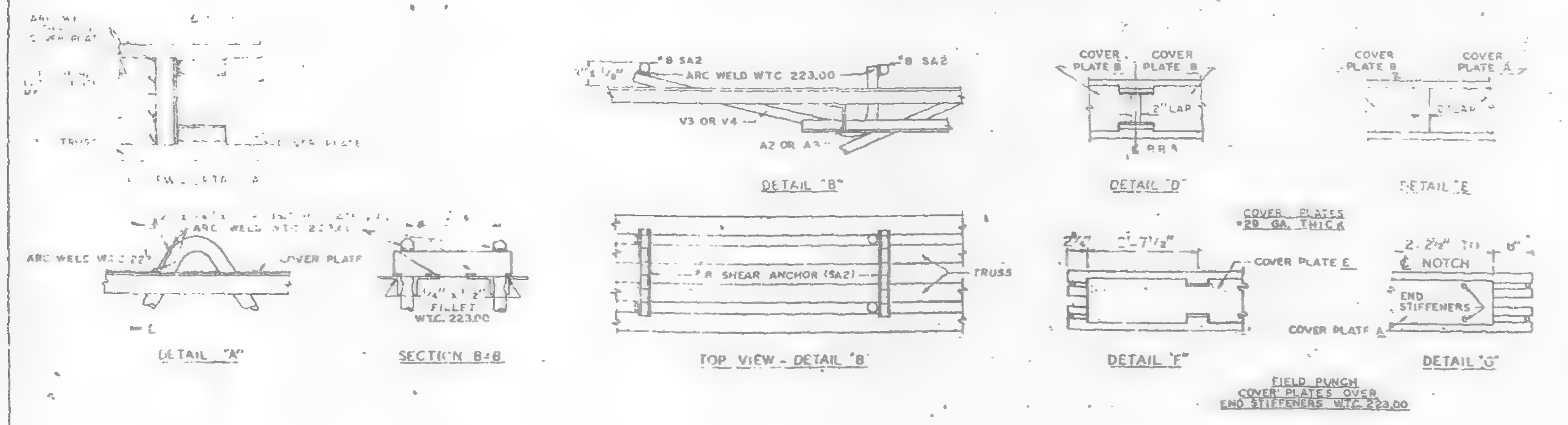
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

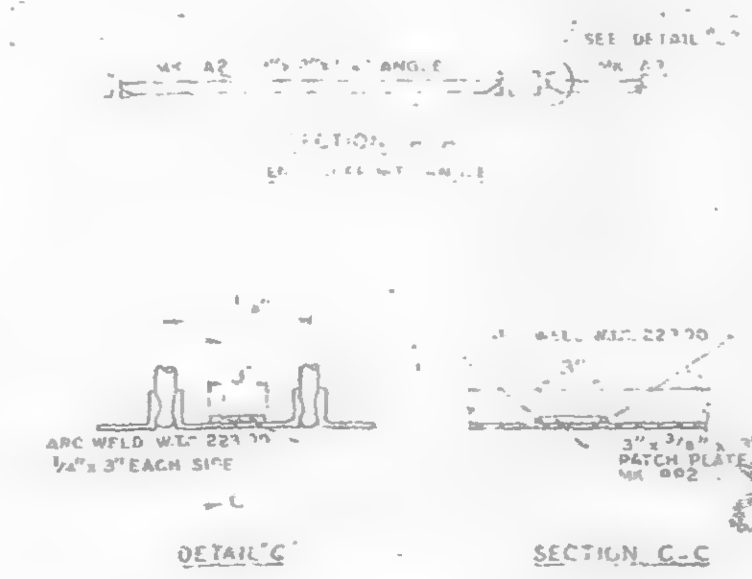












⚠1	8-4-69	AS NOTED	G.D.C.
NO	DATE	REVISION	BY

[illegible] 10	7-22-68
[illegible] 49	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
[illegible]	10-15-68
[illegible] 24	1-6-69
[illegible] 25 & 28	1-6-69
7-A81-29 & 30	1-6-69
7-A82-19	1-6-69

FLOOR PANEL DETAILS

BLDG. [illegible] FLOORS 78 (NORTH)

PANEL E3P [illegible] x 59'-0¾"

BLDG. B FLOORS 78 (WEST)

FABRICATOR [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION FOR P. ON Y. A. — DATE 8/11/69

APPROVED FOR FABRICATION BY: ____ FOR FABRICATOR — DATE

DETAILED BY: A. CARL WEBER

DESIGN DRAWING NO. 7 A83 49

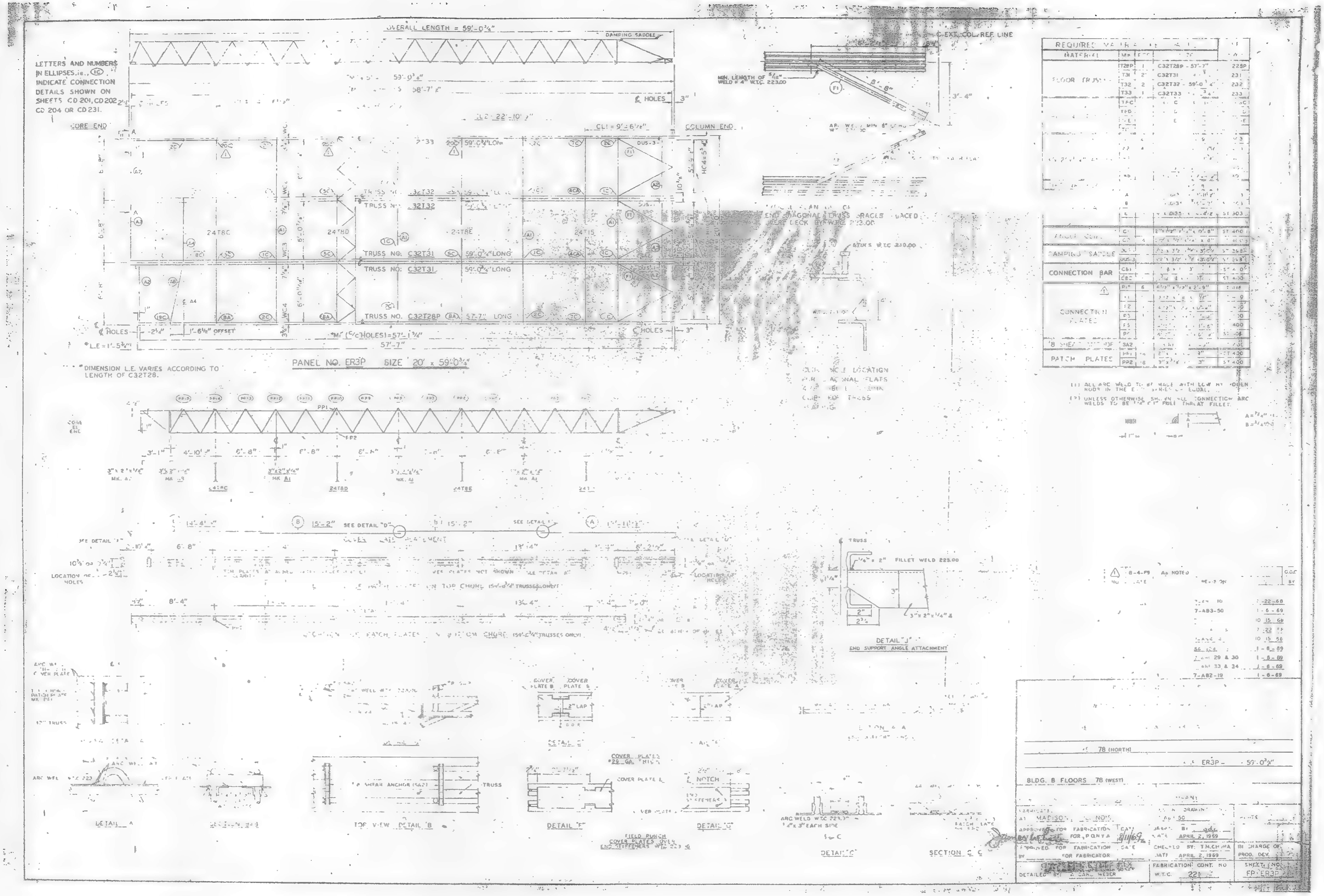
DRAWN BY G.D.C. DATE APRIL 2, 1969

CHECKED BY: T.M. CHURA DATE APRIL 2, 1969

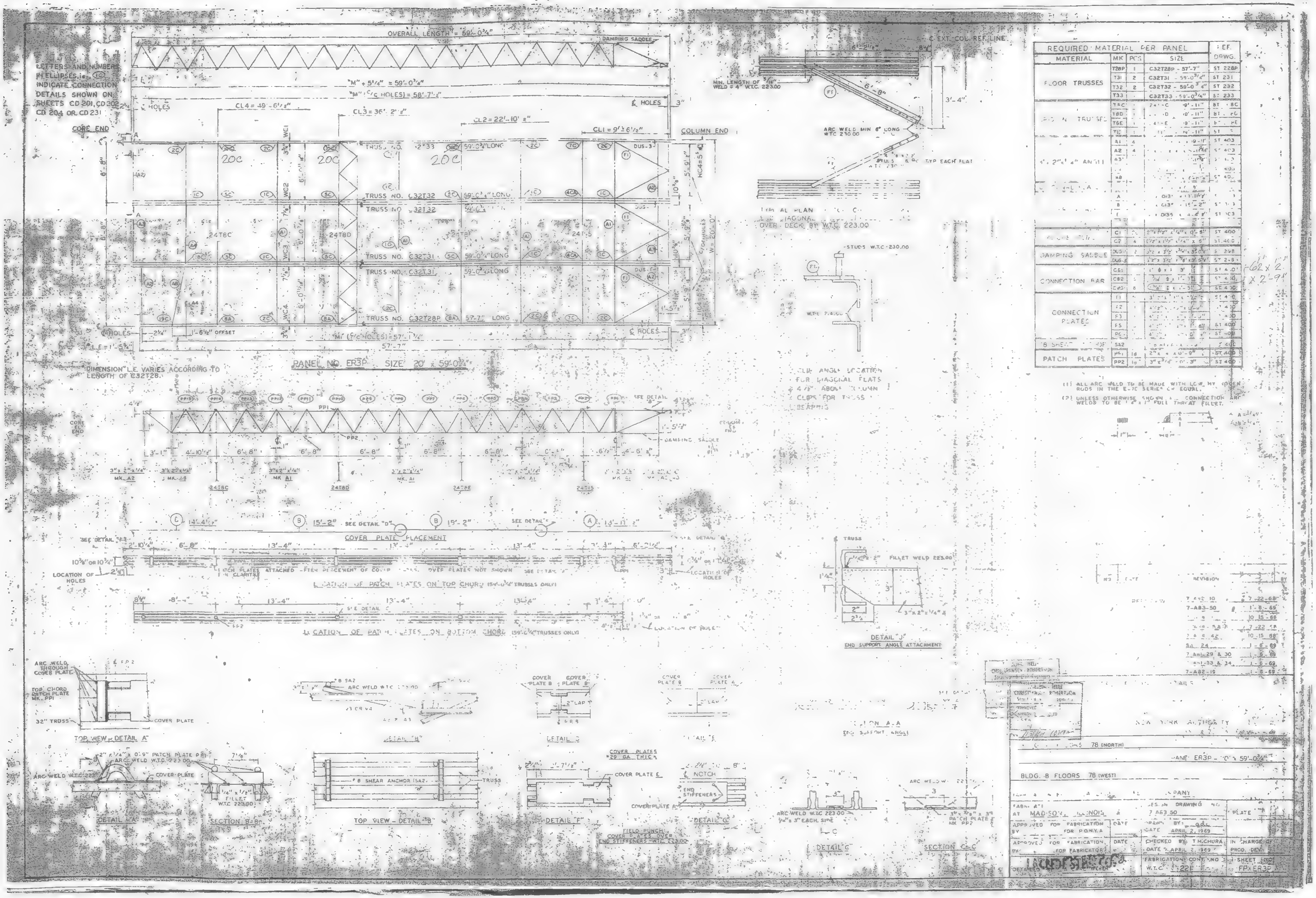
IN CHARGE OF PROD. DEV.

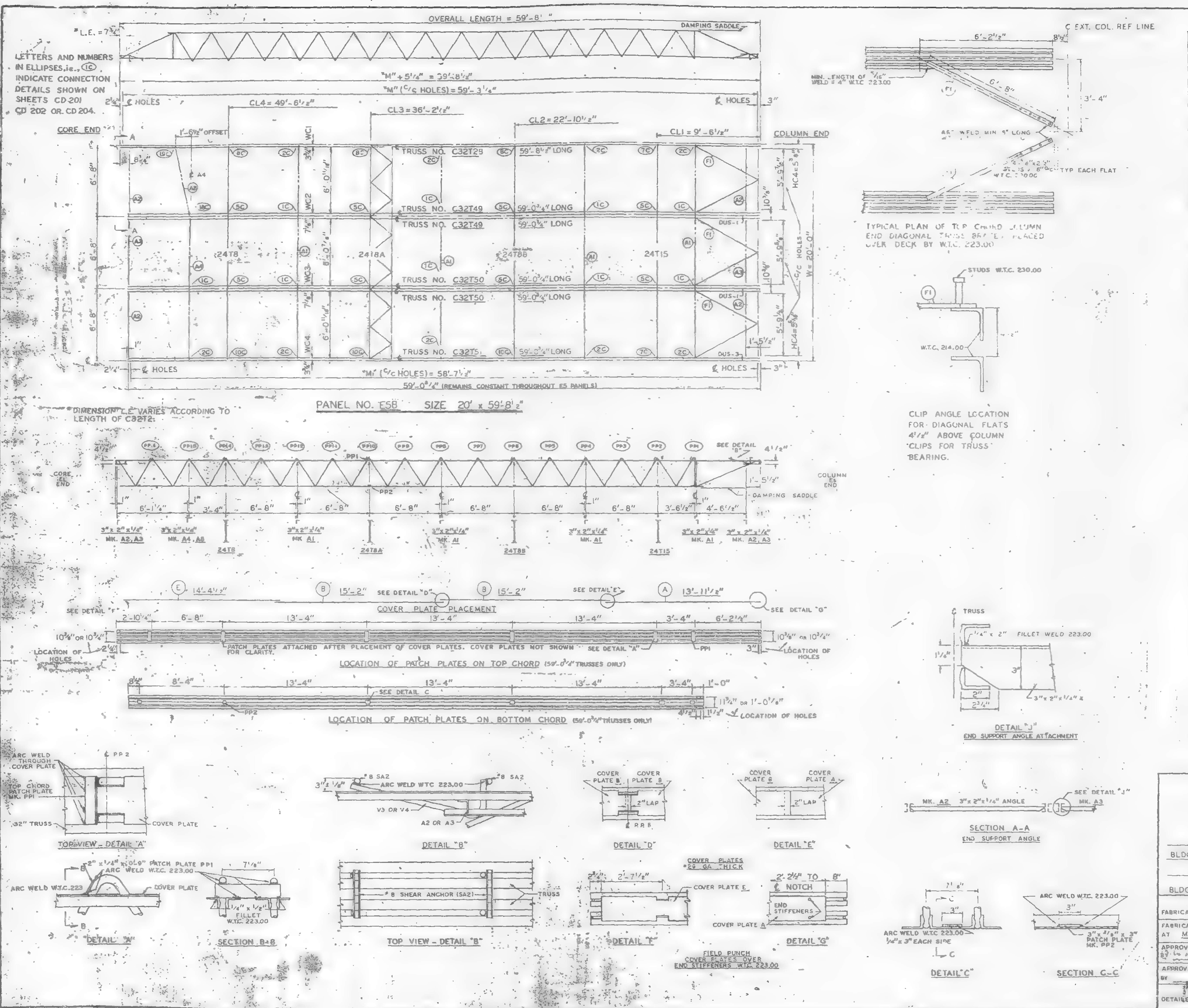
FABRICATION CONT. NO. W.T.C. 321

SHEET NO. FP E3P



OVERALL LENGTH = 59'-0¾"
DAMPING SADDLES
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231.
CORE END
COLUMN END
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T31 59'-0¾" LONG
TRUSS NO. C32T28P 57'-7" LONG
24T8C
24T8D
24T15
℄ HOLES
"M" (℄/℄ HOLES) = 57'-1¼"
57'-7"
L.E = 1'-5¾"
PANEL NO. ER3P SIZE 20' x 59'-0¾"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T28.
C-EXT. COL. REF LINE
MIN. LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
REQUIRED MATERIAL
FLOOR TRUSS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
FILLET WELD 223.00
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
7-AB3-50
7-AB2-19
78 (NORTH)
ER3P
BLDG. B FLOORS 78 (WEST)
MADISON, ILLINOIS
APRIL 2, 1969
CHECKED BY: T.M.CHIMA
DATE APRIL 2, 1969
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO
W.T.C. 221
FP-ER3P
DETAIL "A"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "C"
TOP VIEW DETAIL "B"
SECTION C-C
COVER PLATES #22 GA. THICK
FIELD PUNCH COVER PLATES OVER END STIFFENERS

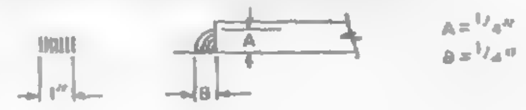

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, CD 204 OR CD 231
OVERALL LENGTH = 59'-0 3/4"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO. C32T33 59'-0 3/4" LONG
TRUSS NO. C32T32 59'-0 3/4" LONG
TRUSS NO. C32T31 59'-0 3/4" LONG
TRUSS NO. C32T28P 57'-7" LONG
PANEL NO. ER3P SIZE 20' x 59'-0 3/4"
DIMENSION "L.E." VARIES ACCORDING TO LENGTH OF C32T28.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (59'-0 3/4" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (59'-0 3/4" TRUSSES ONLY)
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
C EXT. COL. REF. LINE
ARC WELD MIN 6" LONG W.T.C. 230.00
OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
FILLET WELD 223.00
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "B"
DETAIL "C"
DETAIL "F"
DETAIL "G"
SECTION C-C
SECTION A-A
END SUPPORT ANGLE
COVER PLATES #29 GA. THICK
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
BLDG. B FLOORS 78 (WEST)
PANEL ER3P - 20' x 59'-0 3/4"
AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.O.N.Y.A
APPROVED FOR FABRICATION FOR FABRICATOR
DATE APRIL 2, 1969
CHECKED BY T. NICHURA
DATE APRIL 2, 1969
FABRICATION CONT. NO.
W.T.C.
SHEET NO. FP-ER3P
IN CHARGE OF PROD. DEV.



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T28	1	C32T28 - 59'-8½"	ST 202B
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T5	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT [illegible]B
	T8A	1	24T8A - 19'-11"	BT [illegible]8A
	T8B	1	24T8B - 19'-11"	BT [illegible]8B
	T15	1	24T15 - 19'-11"	BT [illegible]15
3"x 2"x¼" ANGLE	A1	4	3"x 2"x¼"x 19'-11"	ST 403
	A2	4	3"x 2"x¼"x 5'-11⁹⁄₁₆"	ST 403
	A3	2	3"x 2"x¼"x 5'-11¾"	ST 403
	A4	1	[illegible]	[illegible]
	A8	1	3"x 2"x¼"x 6'-5⅝"	ST 403
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
COVER PLATES	A	3	9"x 0135"x 13'-11½"	ST 303
	B	6	9"x 0135"x 15'-2"	ST 303
	E	3	9"x 0135"x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x 1½"x¼"x 0'-8"	ST 400
	C2	4	2½"x 1½"x¼"x 6"	ST 400
DAMPING SADDLE	DUS-4	2	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
	DUS-3	1	3½"x 3½"x ⅜"x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1⅜" ϕ x 1'-3"	ST 400
	CB3	6	1⅜" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½"x ⅜"x 0'-½"	ST 400
	P2	1	4½"x .39"x 0'-9"	ST 400
	P3	1	4½"x .39"x 1'-0"	ST 400
	P5	3	4½"x ¼"x 1'-8"	ST 400
	PC	1	4½"x .39"x 0'-4"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2"x ¼"x 0'-9"	ST 400
	PP2	18	3"x ⅜"x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC. WELDS TO BE ¼" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

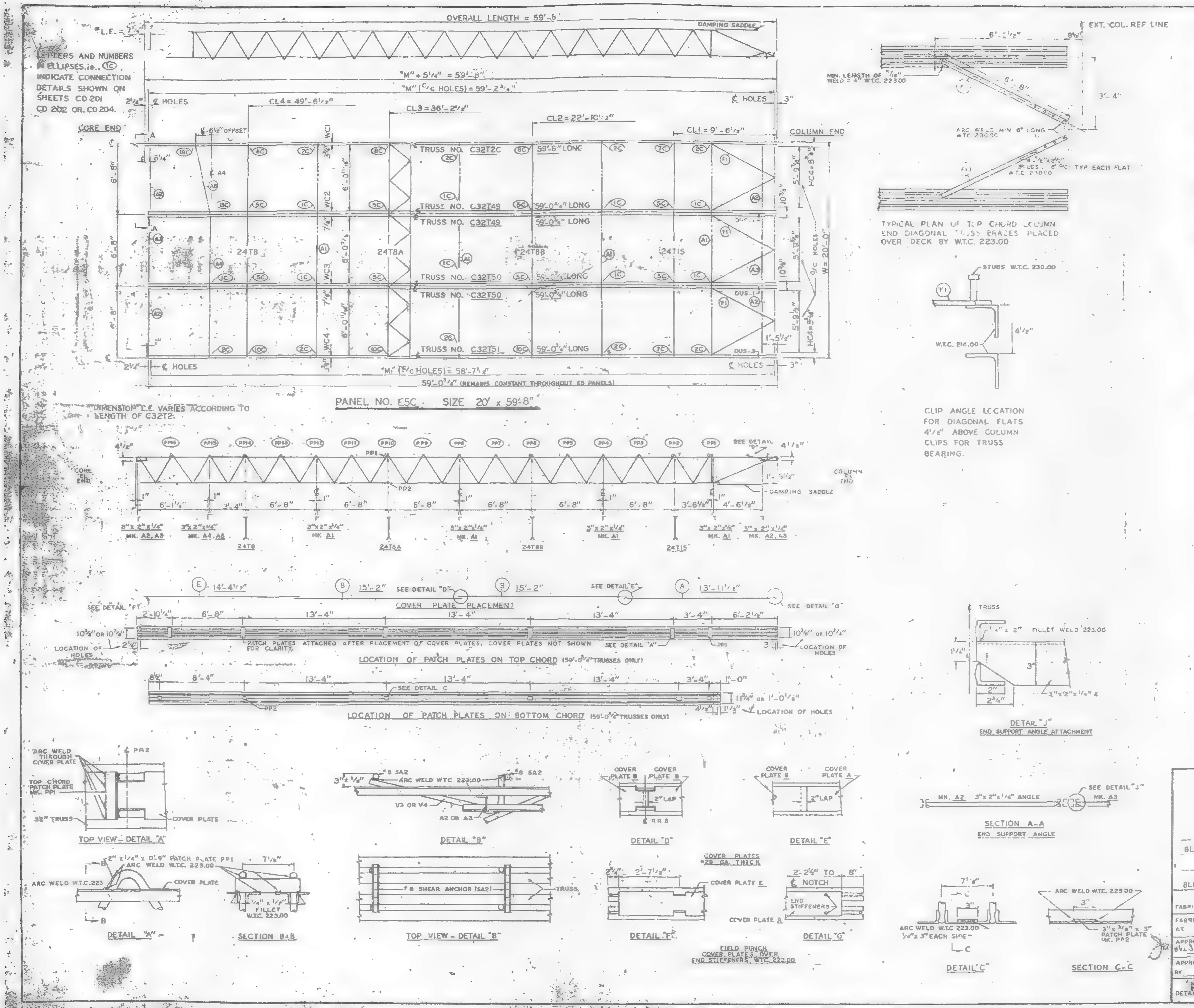
BLDG. A FLOORS 83 (NORTH)

PANEL E5B - 20' x 59'-8½"

BLDG. B FLOORS 83 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc. DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T. MICHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E5B



REQUIRED MATERIAL PER PANEL				REF DRWGS.
MATERIAL	MK	PC'S	SIZE	
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-11 [illegible]"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-11 [illegible]"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	E	3	9"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	4	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-5 7/8"	ST 298
	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-5 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 3/8"x [illegible]	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400
	P5	3	4 1/2"x 1/4"x 1'-6"	ST 400
	P6	1	4 1/2"x [illegible] x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2"x .4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

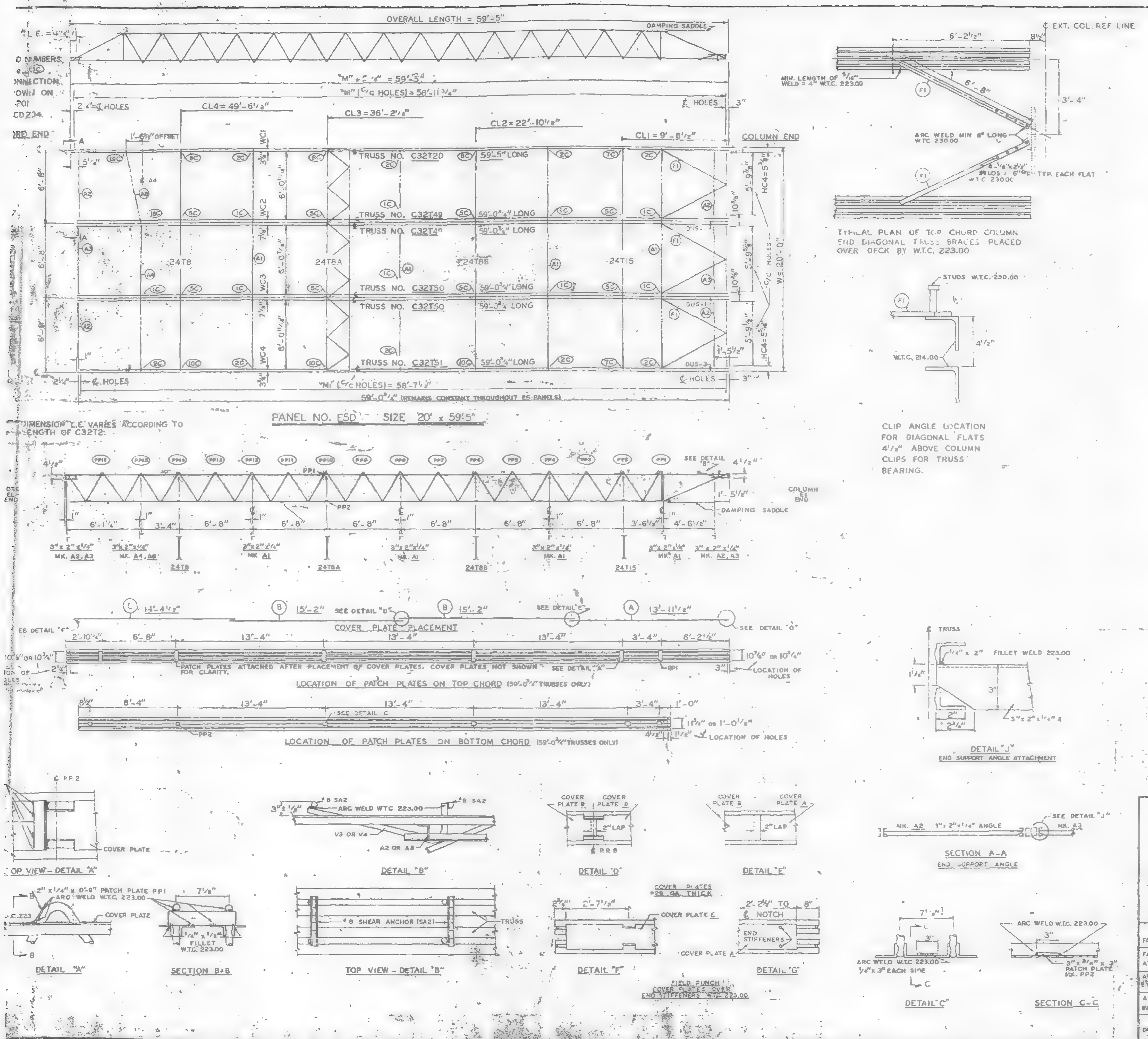
7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49 (SOUTH)
PANEL E5C - 20' x 59'-8"
BLDG. B FLOORS 49 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A — DATE 7-31-69	DRAWN BY gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE	CHECKED BY: T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-E5C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2D	1	C32T2D - 59'-5"	ST 202D
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/16"	ST 403
	A3	2	[illegible]	ST 403
	[illegible]	[illegible]	[illegible]	[illegible]
	A8	[illegible]	[illegible]	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
COVER [illegible]	[illegible]	3	[illegible]	ST 363
	[illegible]	8	[illegible] x 6'-2"	ST 363
	[illegible]	3	[illegible]	ST 363
ANGLE CLIPS	C1	[illegible]	[illegible]	ST 400
	C2	4	[illegible]	ST 400
DAMPING SADDLE	[illegible]	2	[illegible]	ST 293
	[illegible]	1	[illegible]	ST 293
CONNECTION BAR	[illegible]	1	[illegible]	ST 400
	[illegible]	6	[illegible]	ST 400
	[illegible]	6	[illegible]	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	[illegible]	1	[illegible]	ST 400
	[illegible]	[illegible]	[illegible]	ST 400
	F5	[illegible]	[illegible]	ST 400
	P1	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. 40KEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWGS.

7-A82-3 & 10	7-22-68
7-A83-73	11-25-68
7-A84-3	10-15-68
7-A84-15 & 16	7-22-68
7-A84-42	10-15-68
SA-124	10-11-68
7-A81-3	7-22-68
7-A81-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81 & 82 (NORTH)

PANEL E5D - 20' x 59'-5"

BLDG. B FLOORS 81 & 82 (WEST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-A83 73

PLATE

APPROVED FOR FABRICATION BY: [illegible] FOR P.O.N.Y.A. DATE [illegible]

DRAWN BY: g.d.c. DATE: JAN 15, 1969

APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE

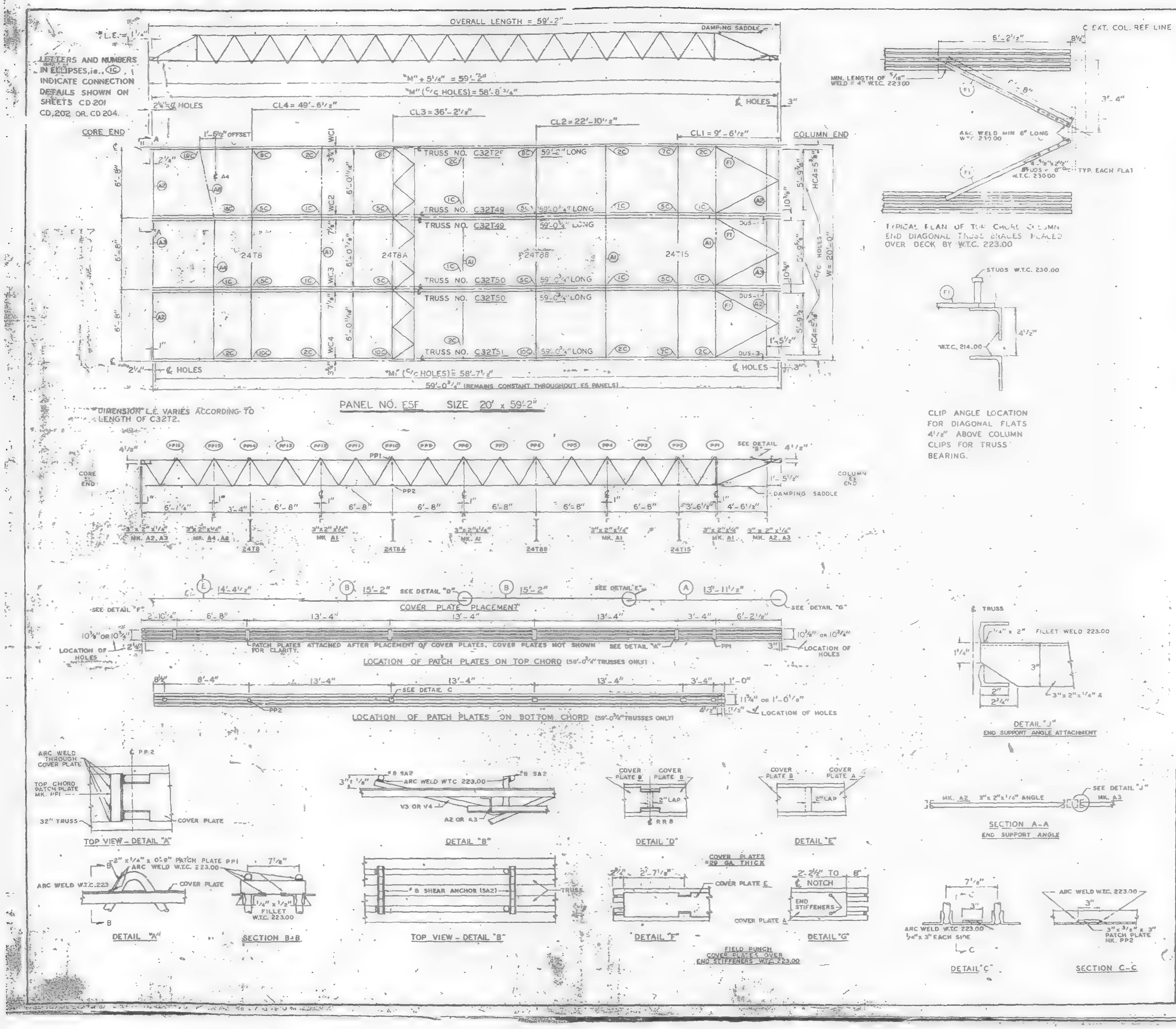
CHECKED BY: T.N.CHUSA DATE: JAN. 15, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY: A. CARL WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP E5D



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2F	1	C32T2F - 59'-2"	ST 202F
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 25
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A	4	3" x 2" x 1/4" x 19-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	[illegible]	1	[illegible]	ST 40[illegible]
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/4"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/8" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3 1/2" x 3/8" x [illegible]	ST 400
	F2	1	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	F5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	PC	1	4 1/2" x .39" x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	[illegible] REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

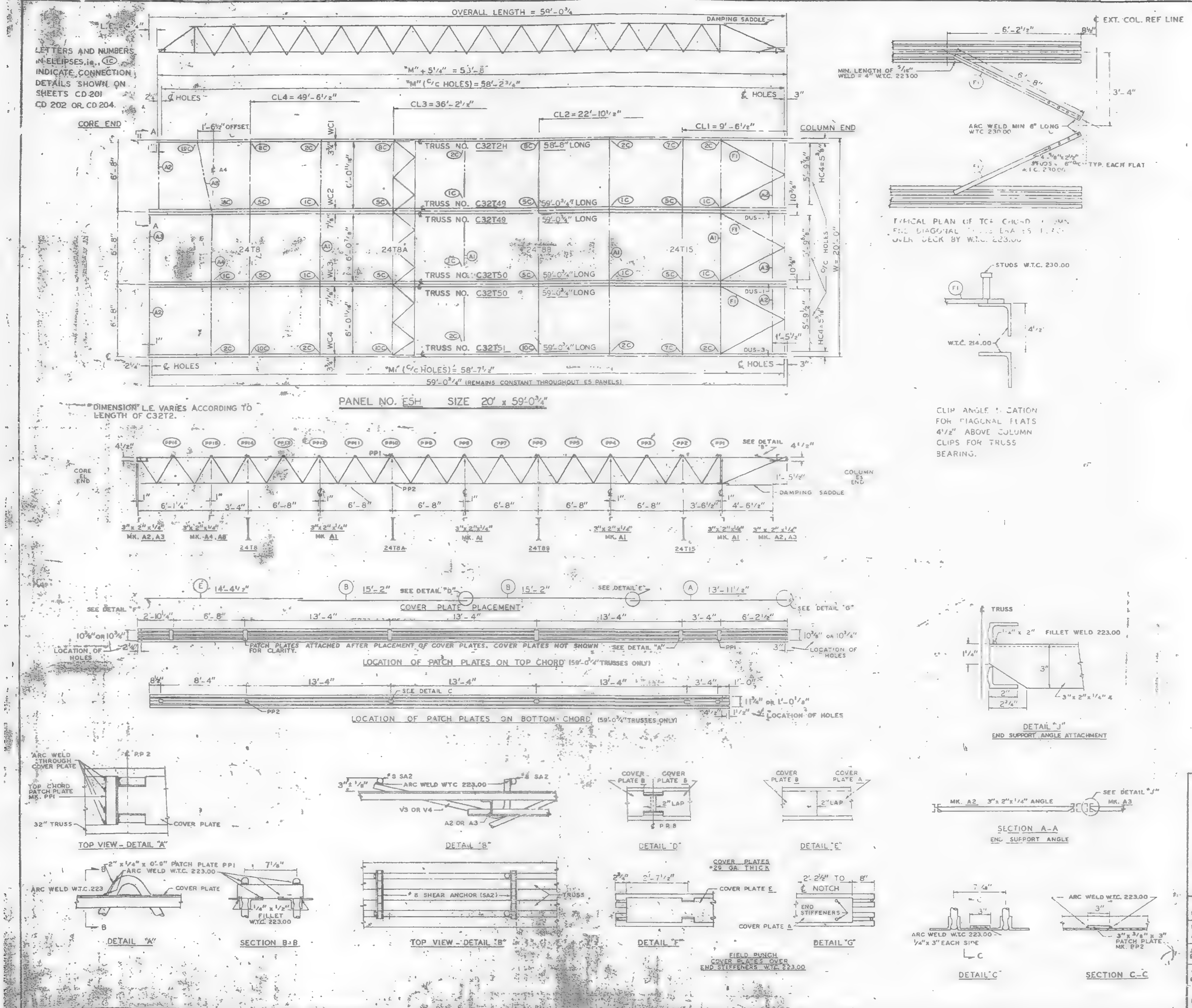
7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47 & 48 (SOUTH)
PANEL E5F - 20' x 59'-2"
BLDG. B FLOORS 47 & 48 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3.73	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY: gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E5F



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2H	1	C32T2H - 58'-8"	ST 202H
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	[illegible]	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅜"	ST 403
	[illegible]	[illegible]	[illegible]	ST 403
	A8	[illegible]	[illegible]	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	[illegible]	[illegible]	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-4	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	12	1" ϕ x 1'-3	ST 400
	CB2	6	1⅜" ϕ x 1'-3"	ST 400
	CB3	6	1⅝" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x [illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P[illegible]	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY. ROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

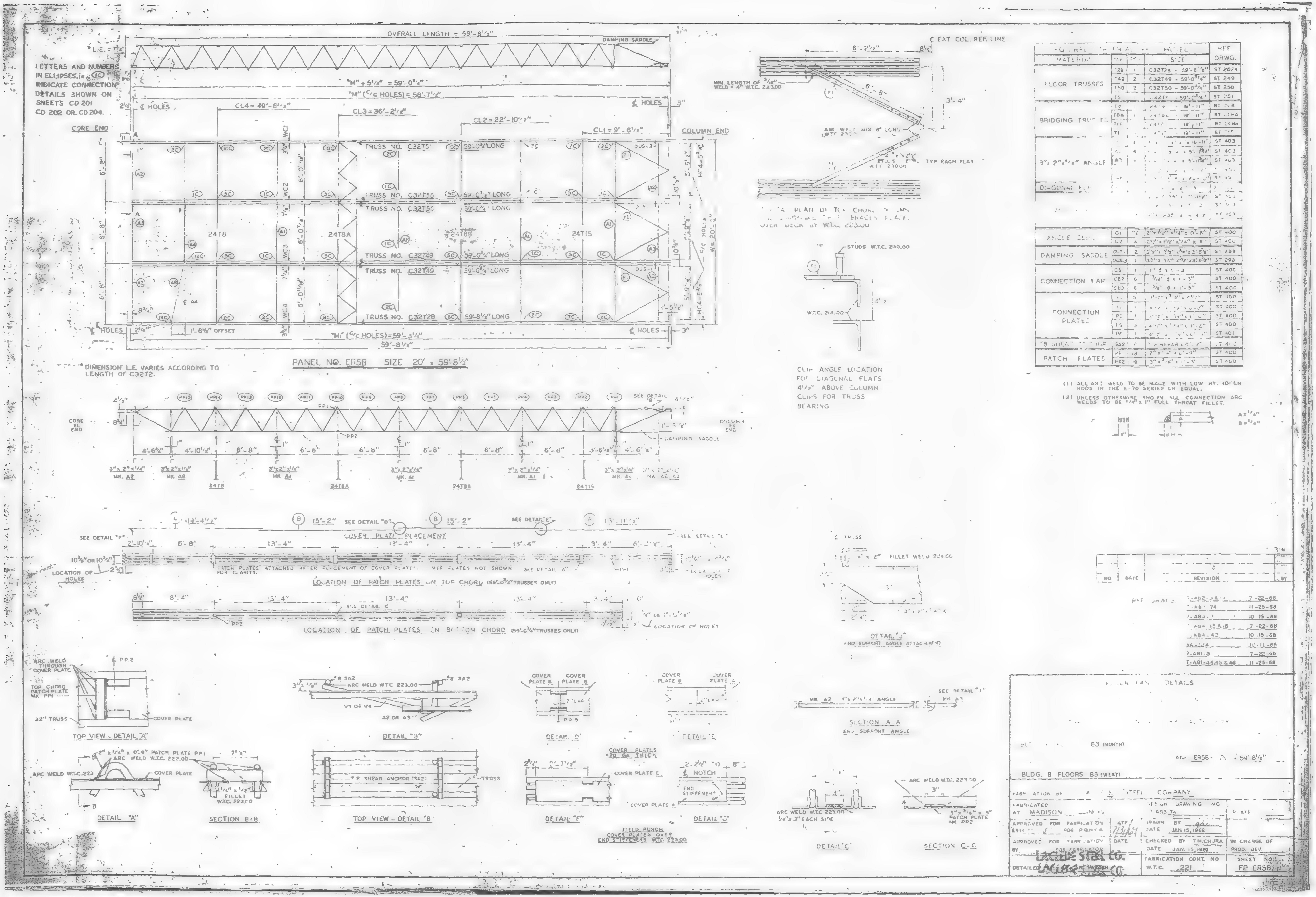
7-A82-3 & 10	7-22-68
7-A83-73	11-25-68
7-A84-3	10-15-68
7-A84-15 & 16	7-22-68
7-A84-42	10-15-68
SA-124	10-11-68
7-A81-3	7-22-68
7-A81-44,45 & 46	11-25-68

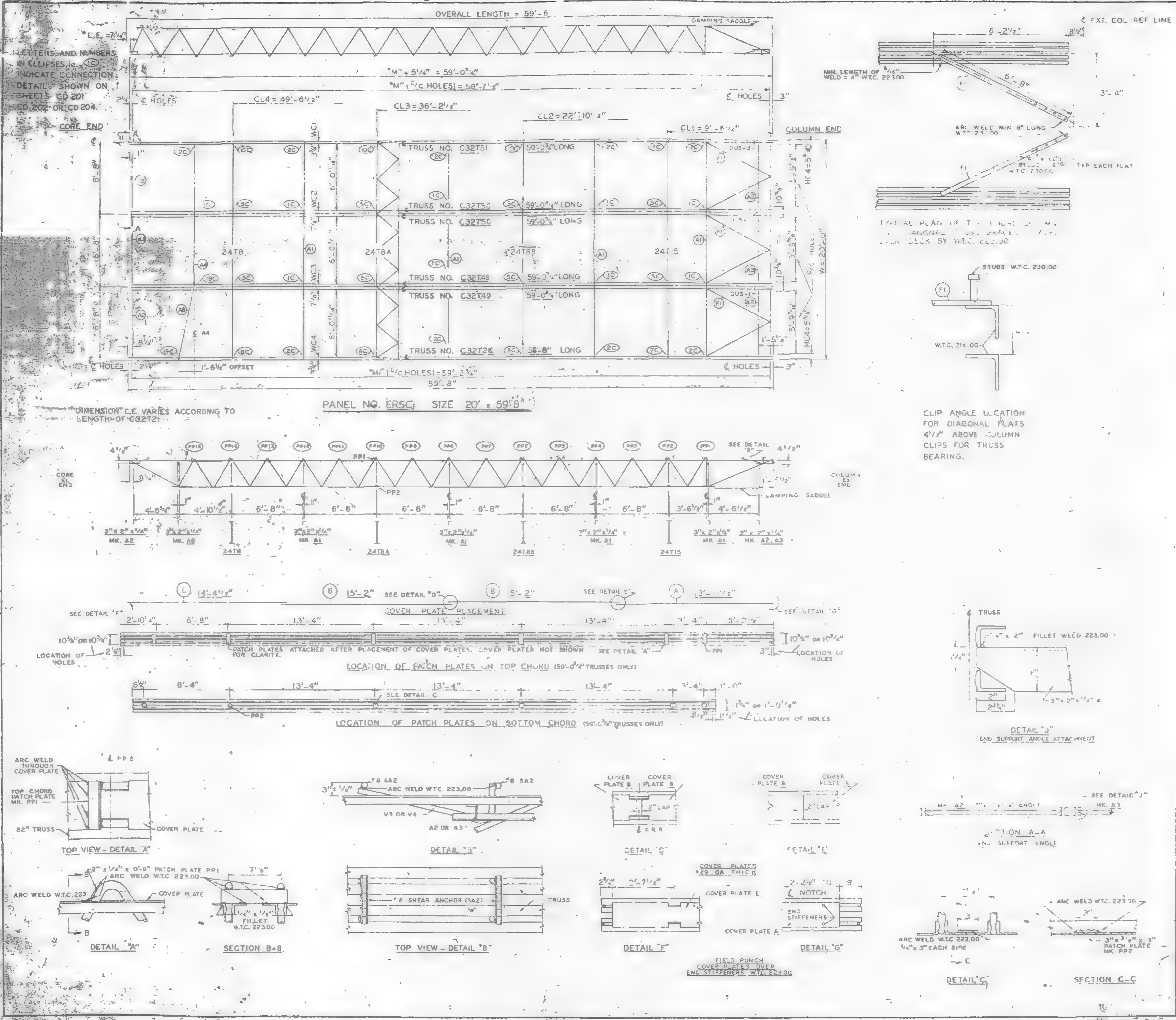
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79 & 80 (NORTH)
PANEL E5H - 20' x 59'-0¾"
BLDG. B FLOORS 79 & 80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-73	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 7/3/69	DRAWN BY gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP. E5H


OVERALL LENGTH = 59'-8 1/2"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 CD 202 OR CD 204.
"M" + 5 1/4" = 59'-0 3/4"
"M" (C/C HOLES) = 58'-7 1/2"
CL4 = 49'-6 1/2"
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
CORE END
COLUMN END
TRUSS NO. C32T50 59'-0 3/4" LONG
TRUSS NO. C32T49 59'-0 3/4" LONG
TRUSS NO. C32T28 59'-8 1/2" LONG
24T8
24T8A
24T8B
24T15
1'-6 1/8" OFFSET
"M1" (C/C HOLES) = 59'-3 1/4"
59'-8 1/2"
PANEL NO. ER5B SIZE 20' x 59'-8 1/2"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (59'-0 3/4" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (59'-0 3/4" TRUSSES ONLY)
LOCATION OF HOLES
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "C"
SECTION C-C
SECTION A-A END SUPPORT ANGLE
DETAIL "J" (NO SUPPORT ANGLE ATTACHMENT)
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
FLOOR TRUSSES
BRIDGING TRUSSES
3" x 2" x 1/4" ANGLE
ANGLE CLIPS
DAMPING SADDLE
CONNECTION EAR
CONNECTION PLATES
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
NO DATE REVISION BY
7-AB4-15 & 16 7-22-68
7-AB4-42 10-15-68
7-AB1-3 7-22-68
7-AB1-44,45 & 46 11-25-68
DETAILS
83 (NORTH)
ER5B
59'-8 1/2"
BLDG. B FLOORS 83 (WEST)
STEEL COMPANY
FABRICATED AT MADISON
DESIGN DRAWING NO
APPROVED FOR FABRICATION
DRAWN BY
DATE JAN 15, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR
CHECKED BY T.M.CHURA
DATE JAN. 15, 1969
IN CHARGE OF PROD. DEV.
DETAILED
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP ER5B



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
	A8	1	[illegible]	[illegible]
	A8	[illegible]	[illegible]	ST 40[illegible]
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
	A	[illegible]	[illegible]	ST [illegible]
			[illegible]	ST [illegible]
[illegible]			[illegible]	ST 303
ANGLE CLIPS	C1		2"x 1½" x ¼" x 5'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-4	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 299
CONNECTION BAR	CB1	1	[illegible] ϕ x 1'-3"	ST 400
	CB2	6	3/16" ϕ x 1'-3"	ST 400
	CB3	6	[illegible] ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	[illegible]	ST 400
	F2	1	[illegible]	ST 400
	F3	1	[illegible]	ST 400
	F5	3	4½" x ¼" x 1'-6"	ST 400
	P8	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	[illegible]	ST 400
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-9"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO	DATE	REVISION	BY

REF. DRWGS

7-AB2-18	7-22-68
7-AB3-74	11-25-68
7-AB4-1	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS

FOR

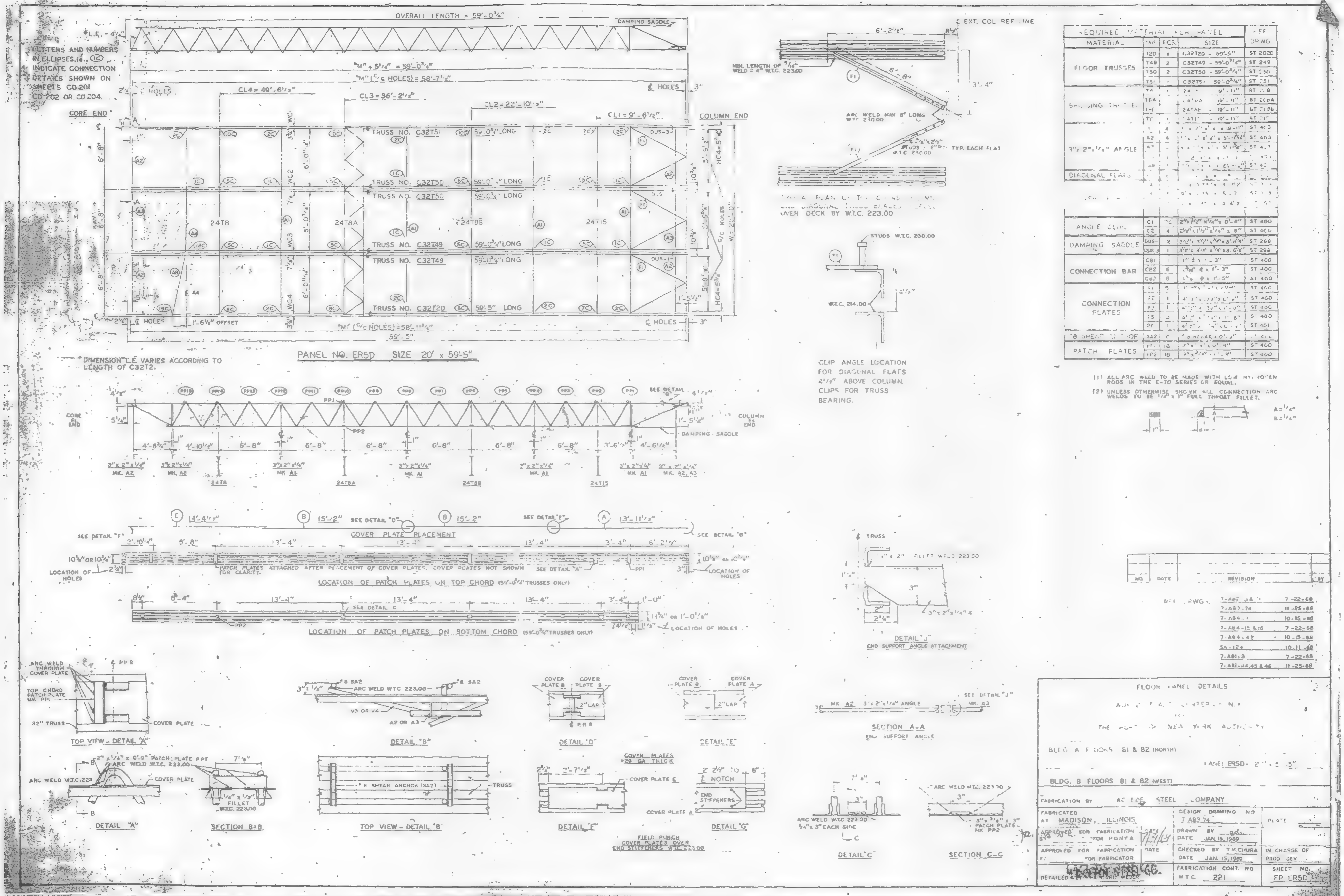
BLDG. A FLOORS 49 & 79 (SOUTH)

PANEL ER5C - 20' x 59'-8"

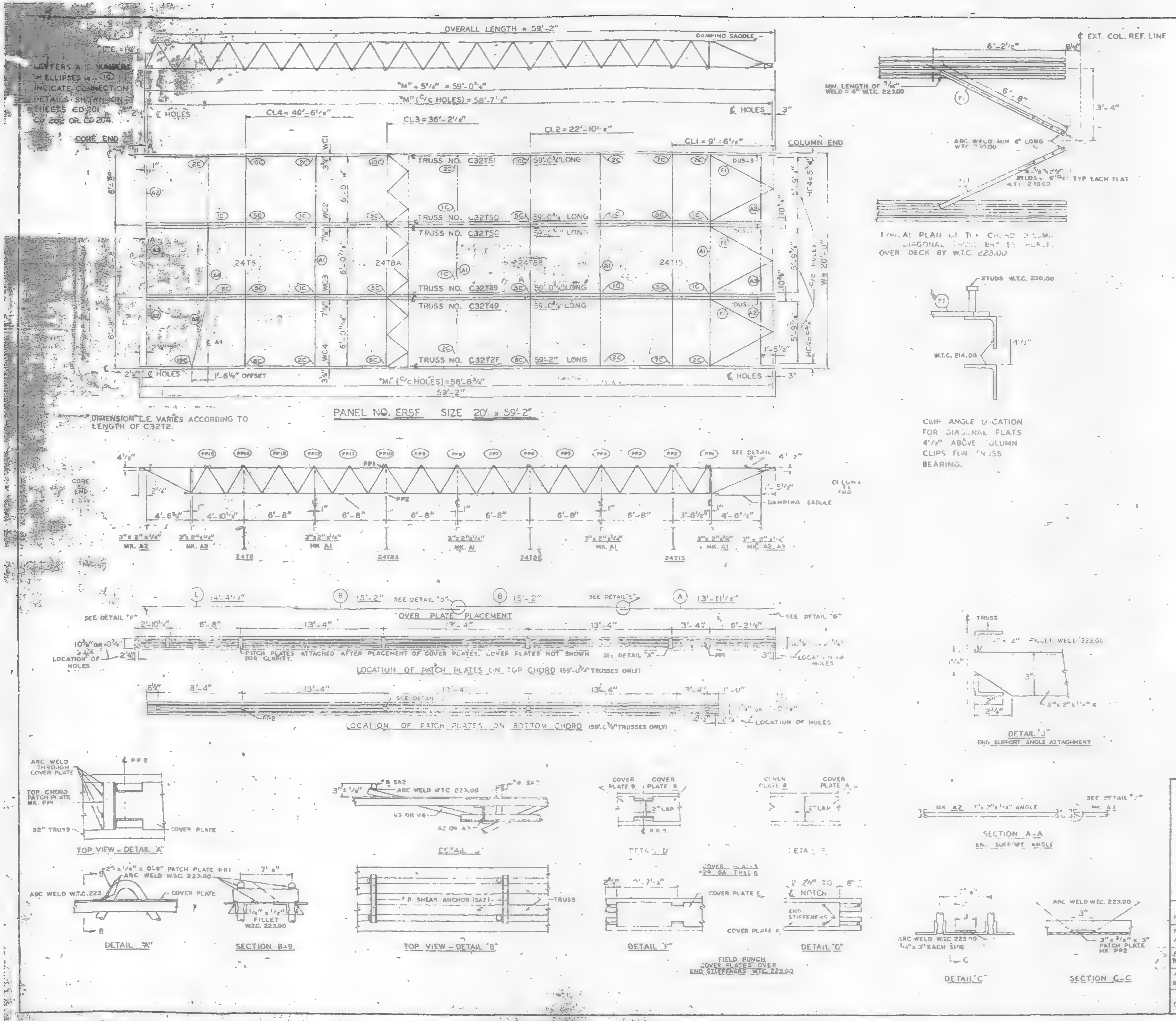
BLDG. B FLOORS 49 & 79 (EAST)

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7 AB3 74	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A DATE 7/31/[illegible]	DRAWN BY gdc DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP ER5C



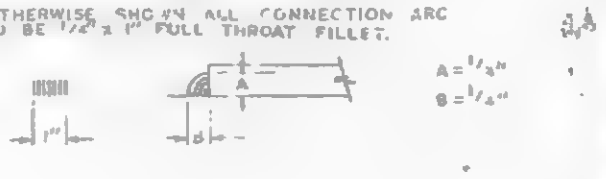
OVERALL LENGTH = 59'-0¾"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD-201 CD-202 OR CD 204.
CORE END
COLUMN END
TRUSS NO. C32T51 59'-0¾" LONG
TRUSS NO. C32T50 59'-0¾" LONG
TRUSS NO. C32T49 59'-0¾" LONG
TRUSS NO. C32T20 59'-5" LONG
CL4 = 49'-6½"
CL3 = 36'-2½"
CL2 = 22'-10½"
CL1 = 9'-6½"
PANEL NO. ER5D SIZE 20' x 59'-5"
DIMENSION "L.E." VARIES ACCORDING TO LENGTH OF C32T2.
EXT. COL REF LINE
MIN. LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
ARC WELD MIN 8" LONG W.T.C. 230.00
TYP. EACH FLAT
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3½" x 2" x ¼" ANGLE
DIAGONAL FLATS
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (59'-0¾" TRUSSES ONLY)
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD (59'-0¾" TRUSSES ONLY)
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A END SUPPORT ANGLE
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
REF. DWGS. 7-AB7-74 11-25-68
7-AB4-12 & 16 7-22-68
7-AB4-42 10-15-68
SA-124 10-11-68
7-AB1-3 7-22-68
7-AB1-44,45 & 46 11-25-68
FLOOR PANEL DETAILS
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 81 & 82 (NORTH)
PANEL ER5D - 20' x 59'-5"
BLDG. B FLOORS 81 & 82 (WEST)
FABRICATION BY PACIFIC CAR STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-74
DATE JAN. 15, 1969
CHECKED BY T.M. CHURA
DATE JAN. 15, 1969
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP ER5D



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T2F	1	C32T2F - 59'-2"	ST 202F
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 - 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	[illegible]	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	[illegible]	[illegible]	ST 403
	[illegible]	1	[illegible]	[illegible]
	A8	[illegible]	[illegible]	ST 403
DIAGONAL FLAT	[illegible]	[illegible]	[illegible]	[illegible]
COVER PLATES	A	[illegible]	[illegible] x 13'-11 1/2"	ST 303
	B	[illegible]	[illegible] x 15'-2"	[illegible]
	[illegible]	[illegible]	[illegible]	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	[illegible]	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 5/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x [illegible] - 3"	ST 400
	CB2	6	1 3/8" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
	[illegible]	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	[illegible]	ST 400
	P6	1	[illegible]	ST 400
8 SHEAR ANCHOR	SA2	6	[illegible] x 0'-8"	[illegible]
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



NO	DATE	REVISION	BY

REF DRWGS.

7-AB2-3 & 9	7-22-68
7-AB3-74	11-25-68
7-AB4-1	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44, 45 & 46	11-25-68

FLOOR PANEL DETAILS

FOR

NEW YORK

BLDG. [illegible] 47 & 48 (SOUTH)

PANEL ER5F - 20' x 59'-2"

BLDG. B FLOORS 47 & 48 (EAST)

FABRICATION BY: [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO: [illegible] AB3 74

PLATE

APPROVED FOR FABRICATION BY [illegible] FOR PONYA — DATE 7/3/69

DRAWN BY: gdc — DATE JAN. 15, 1969

APPROVED FOR FABRICATION BY ___ FOR FABRICATOR — DATE

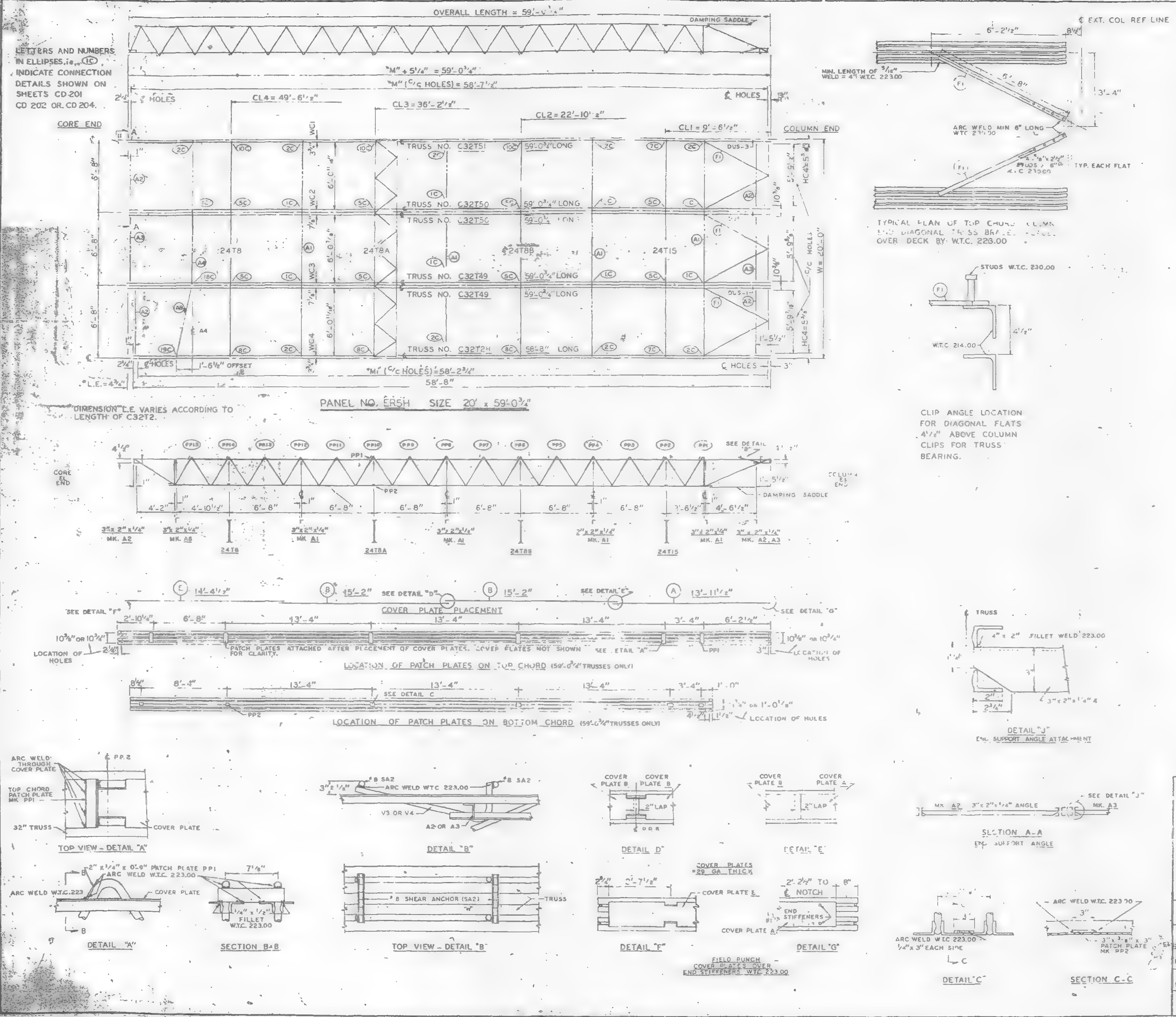
CHECKED BY: T M CHURA — DATE JAN. 15, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY: A CARL WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP ER5F



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T2H	1	C32T2H - 58'-8"	ST 202H
	T49	2	C32T49 - 59'-0 3/4"	ST 249
	T50	2	C32T50 - 59'-0 3/4"	ST 250
	T51	1	C32T51 59'-0 3/4"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x [illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-1[illegible]"	ST 403
	[illegible]	1	[illegible]	ST 403
	A8	[illegible]	3" x 2" x 1/4" x [illegible]	ST 40[illegible]
DIAGONAL FLATS		[illegible]	[illegible]	[illegible]
COVER PLATES	A	3	[illegible] x .0135" x 13'-11 1/2"	ST 303
	B	2	[illegible] x .0135" x 15'-2"	ST 303
	C	1	[illegible] x .0135" x 4'-4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS 3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-5"	ST 400
	P6	1	4 1/2" x [illegible] x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO	DATE	REVISION	BY

REF. DRWGS.

7-AB2 [illegible]	7-22-68
7-AB3 74	11-25-68
7-AB4 3	10-15-68
7-AB4-15 4.6	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

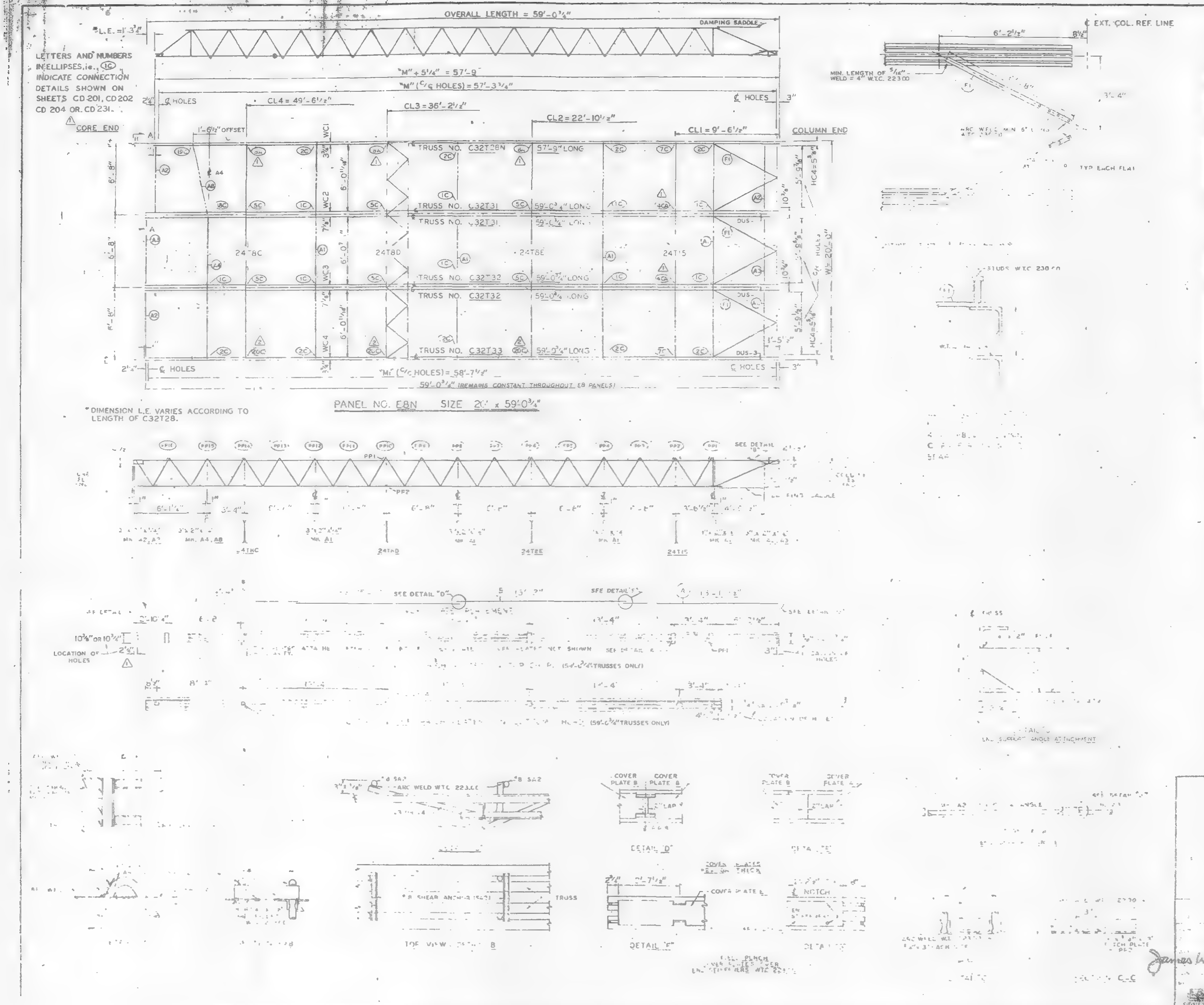
BLDG. A FLOORS 79 & 80 (NORTH)

PANEL ER5H - 20' x 59'-0 3/4"

BLDG. B FLOORS 79 & 80 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7 AB3 74	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A. DATE 7/3/69	DRAWN BY gdc DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A. CARL WEBER	FABRICATION CONT NO W.T.C. 221	SHEET NO. FP ER5H



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T28N	1	C32T28N - 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 21[illegible]
3"x 2"x¼" ANGLE	A1	4	3"x 2"x¼" x 19'-11"	ST 403
	A2	4	3"x 2"x¼" x 5'-1[illegible]	ST 403
	A3	2	3"x 2"x¼" x 5'-1[illegible]	ST 403
	A4	1	[illegible]	ST 403
	A8		[illegible]	ST 405
DIAGONAL FLATS	F1	[illegible]	[illegible]	[illegible]
[illegible] PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	[illegible] x 15'-2	ST 303
	[illegible]	[illegible]	[illegible] x 14'-4½"	[illegible]
ANGLE CLIPS	C1	[illegible]	2"x 1½" x ¼" x 0'-6"	ST 400
	C2	4	[illegible]	ST 400
DAMPING SADDLE	[illegible]	2	[illegible]	ST 298
	[illegible]	[illegible]	[illegible]	ST 298
CONNECTION BAR	[illegible]	1	[illegible]	ST 400
	[illegible]		[illegible]	[illegible]
[illegible]NECTION [illegible]	P15	6	6½" x ½" x 2'-9"	[illegible]
	[illegible]	5	[illegible]	[illegible]
	[illegible]		[illegible]	400
	[illegible]		[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	ST 400
	[illegible]		[illegible]	ST 401
[illegible]	SA2		[illegible]	[illegible]
PATCH PLATES	[illegible]	16	[illegible]	ST 400
	PP2	16	[illegible]	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW [illegible] EN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

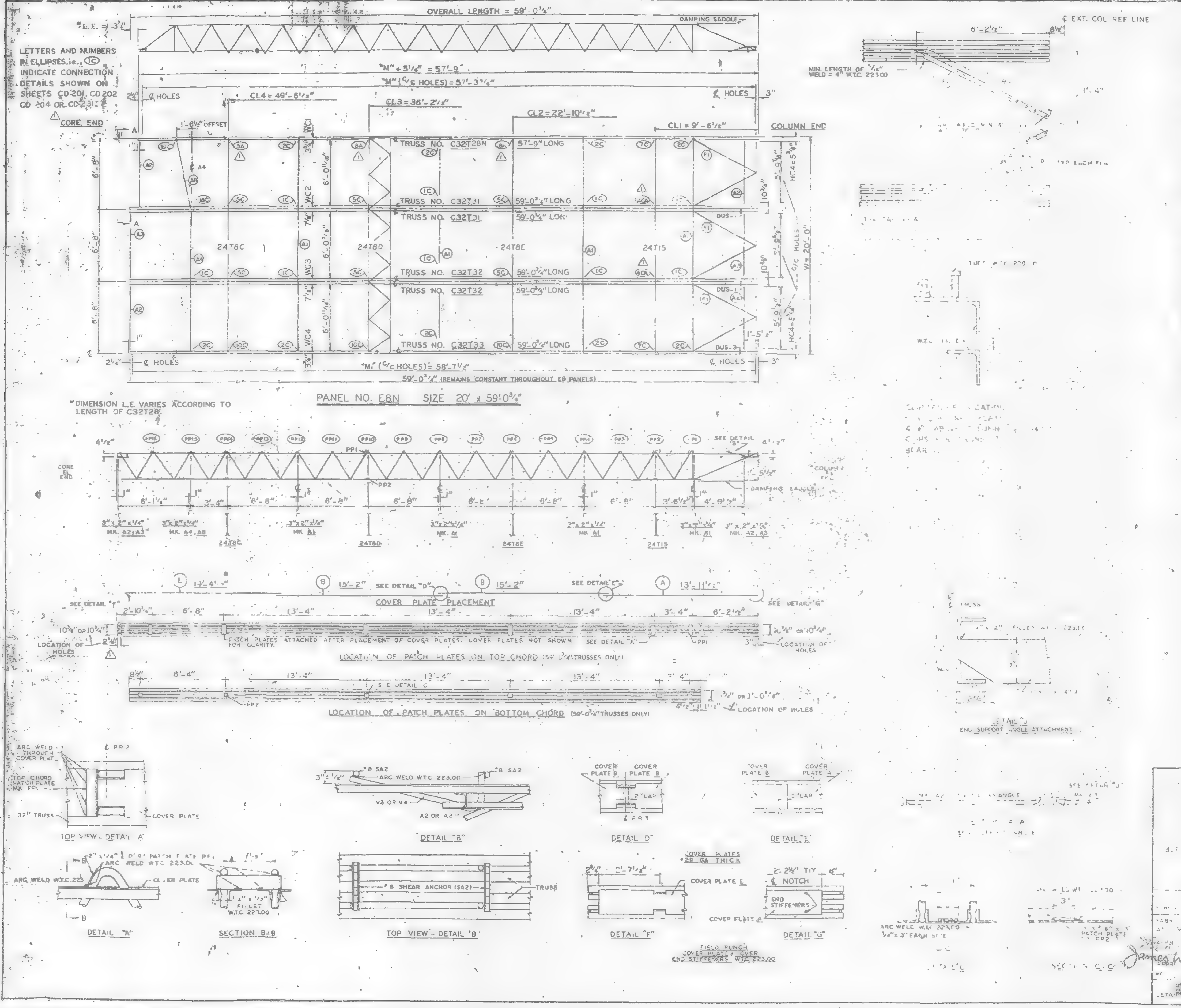
A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
2	8-4-69	AS NOTED	G.D.C.
1	4-24-69	AS NOTED	G.D.C.

[illegible] 10 7-22-68
[illegible] 60 1-6-69
[illegible] 10-15-68
[illegible] 7-22-68
[illegible] 10-15-68
[illegible] 1-6-69
[illegible] 25 & 28 1-6-69
[illegible] 29 & 30 1-6-69
7-A82-19 1-6-69

[illegible] PANEL DETAILS
44 (SOUTH ONLY)
PANEL E8N [illegible] 59'-0¾"

[illegible]MAN
[illegible] 60
DRAWN BY [illegible]
DATE APRIL 2, 1969
CHECKED BY [illegible]
DATE APRIL 2, 1969
IN CHARGE OF PROD. [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E8N
James [illegible] 8/11/69



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T28	1	C32T28N - 57'-9"	ST 228N
	T3	2	C32T31 [illegible]	ST 231
	T3	2	C32T32 [illegible]	ST 232
	T3	1	C32T33 [illegible]	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 9'-11"	BT 208C
	T8	1	24T8D - 9'-11"	BT 208D
	T8E	1	24T8E 9'-11"	BT 208E
	T15	1	24T15 - 9'-11"	BT 215
3"x 2"x¼" ANGLE	A1	4	3"x 2"x¼" x 10'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
	A4		[illegible]	ST 403
	A8		[illegible]	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] PLATES	A	3	9" x 0.135" x 13'-11½"	ST 303
	B	6	9" x 0.135" x 15'-2"	ST 303
	E	3	9" x 0.135" x 14'-4½"	ST 303
ANGLE [illegible]	C1	[illegible]	2"x 1½"x ¼" x 0'-8"	ST 400
	C2	4	2"x 1½"x ¼" x 5"	ST 400
DAMPING SADDLE	DUS	2	[illegible]	ST 296
	DUS		[illegible]	ST 298
CONNECTION BAR	CB		[illegible]	ST 400
	CB		[illegible]	ST 400
	CB	6	[illegible]	ST 400
CONNECTION PLATES	[illegible]	5	[illegible]	ST 400
			[illegible]	ST 400
	P3	1	[illegible]	ST 406
	P5	[illegible]	[illegible]	ST 400
	P6	1	[illegible]	ST 401
⅜ SHEAR ANCHOR	SA2	[illegible]	[illegible]	ST 400
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	4-24-69	AS NOTED	G.D.C.

[illegible] 60	7-22-68
[illegible] 60	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
[illegible] 42	10-15-68
SA 24	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

PANEL DETAILS

AUTHORITY

44 (SOUTH ONLY)

PANEL E8N 20' x 59'-0¾"

COMPANY

DRAWN BY: gdc — DATE: APRIL 2, 1969

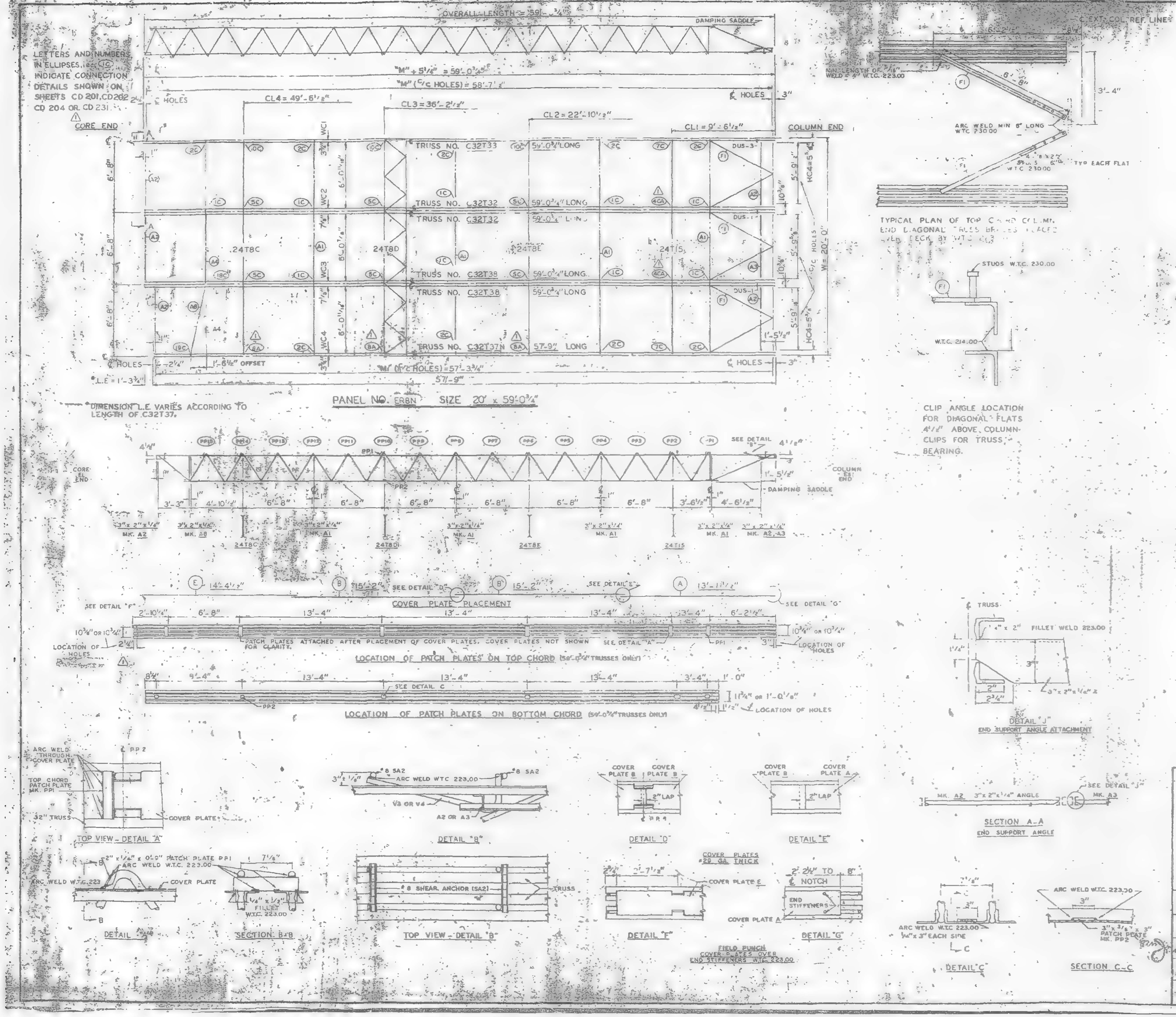
CHECKED BY: T.M. CHURA — DATE: APRIL 2, 1969

IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP E8N

6/12/69



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG
FLOOR TRUSSES	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - [illegible] 3/4"	ST 233
	T37N	1	C32T37N 57'-9"	ST 237N
	T38	2	C32T38 - [illegible] 3/4"	ST 238
BRIDGING TRUSSES	T8C	1	24T8C - 9'-11"	BT 208C
	T8D	1	24T8D - 9'-11"	BT 208D
	T8E	1	24T8E - 8'- [illegible]"	BT 208E
	T15	1	24T15 - [illegible]	BT 215
3"x 2"x 1/4" ANGLE	A1	4	[illegible] 2" x 1/4 x 8'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible] 5' [illegible]	ST 403
	[illegible]	1	[illegible]	ST 40[illegible]
	A8	[illegible]	[illegible] 2" x 1/4 [illegible]	ST 40[illegible]
DIAGONAL FLATS	[illegible]		[illegible]	[illegible]
[illegible]	A	[illegible]	[illegible] x .0135 x 13'-1 1/2"	ST 303
	B	[illegible]	[illegible] x .0135" x 15'-2"	ST 303
	[illegible]		[illegible] x .0135 [illegible] 4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]0	2" x [illegible]1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x [illegible] x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	[illegible]	1[illegible]" ϕ x 3"	ST 400
	CB2	6	[illegible]3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 3/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	[illegible]	5	3 1/2" x [illegible]	ST 400
	P2	1	4 1/2" x [illegible]	ST 400
	P3	1	4 1/2" x 3/4" x 1'-0"	ST 400
	P5	3	4 1/2" x [illegible] x 1'-6"	ST 400
	PC	1	4 1/2" x [illegible] x 0'-[illegible]"	ST 40[illegible]
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2 7/8" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	4-24-69	AS NOTED	G.D.C.

REF. DRWGS.

7-AB2-10	7-22-68
7-AB3-61	1-6-69
7-AB4-1	10-15-66
7-AB4-5 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-29 & 30	1-6-69
7-AB1-33 & 34	1-6-69
7-AB2-19	1-6-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE [illegible] NEW YORK AUTHORITY

BLDG. [illegible] FLOORS 44 (SOUTH ONLY)

PANEL ER8N - 20' x 59'-0 3/4"

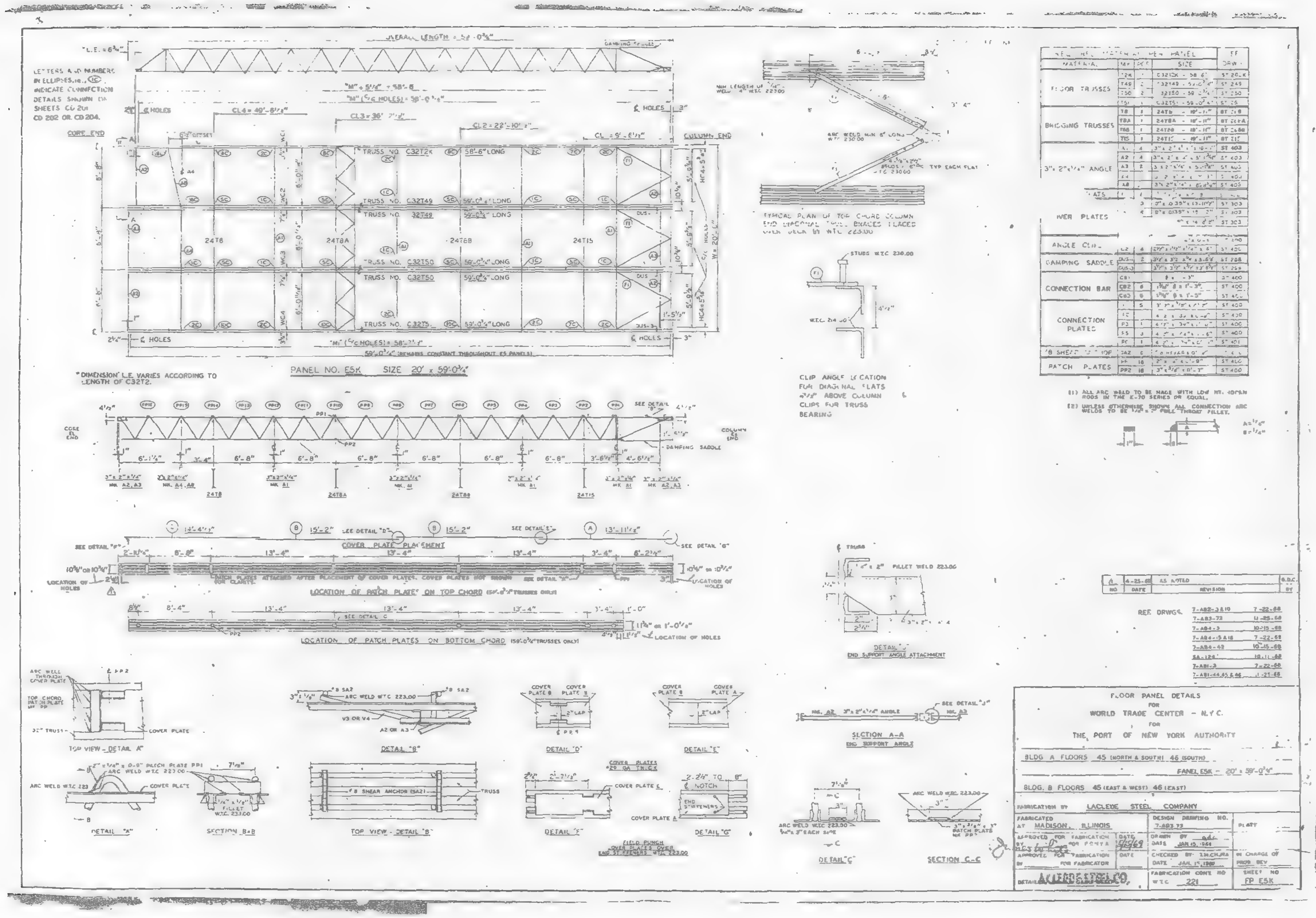
FABRICATION BY [illegible] STEEL [illegible]

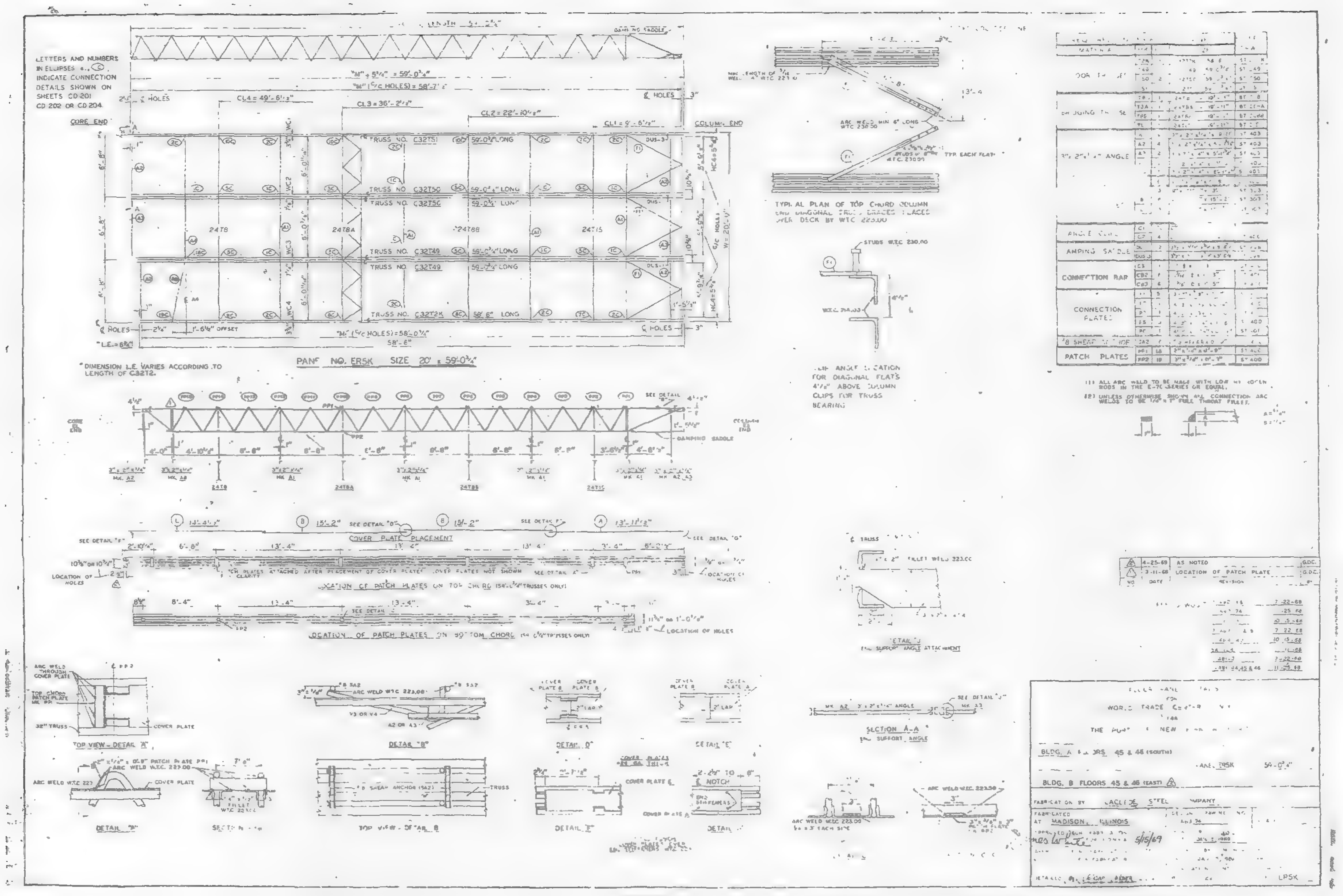
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7 AB3 61
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 10/12/69	DRAWN BY: [illegible] DATE APRIL 2, 1969
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE	CHECKED BY: T.M. CHURA DATE APRIL 2, 1969
DETAILED BY: A. CARL WEBER	FABRICATION CONT. NO. W.T.C. 221

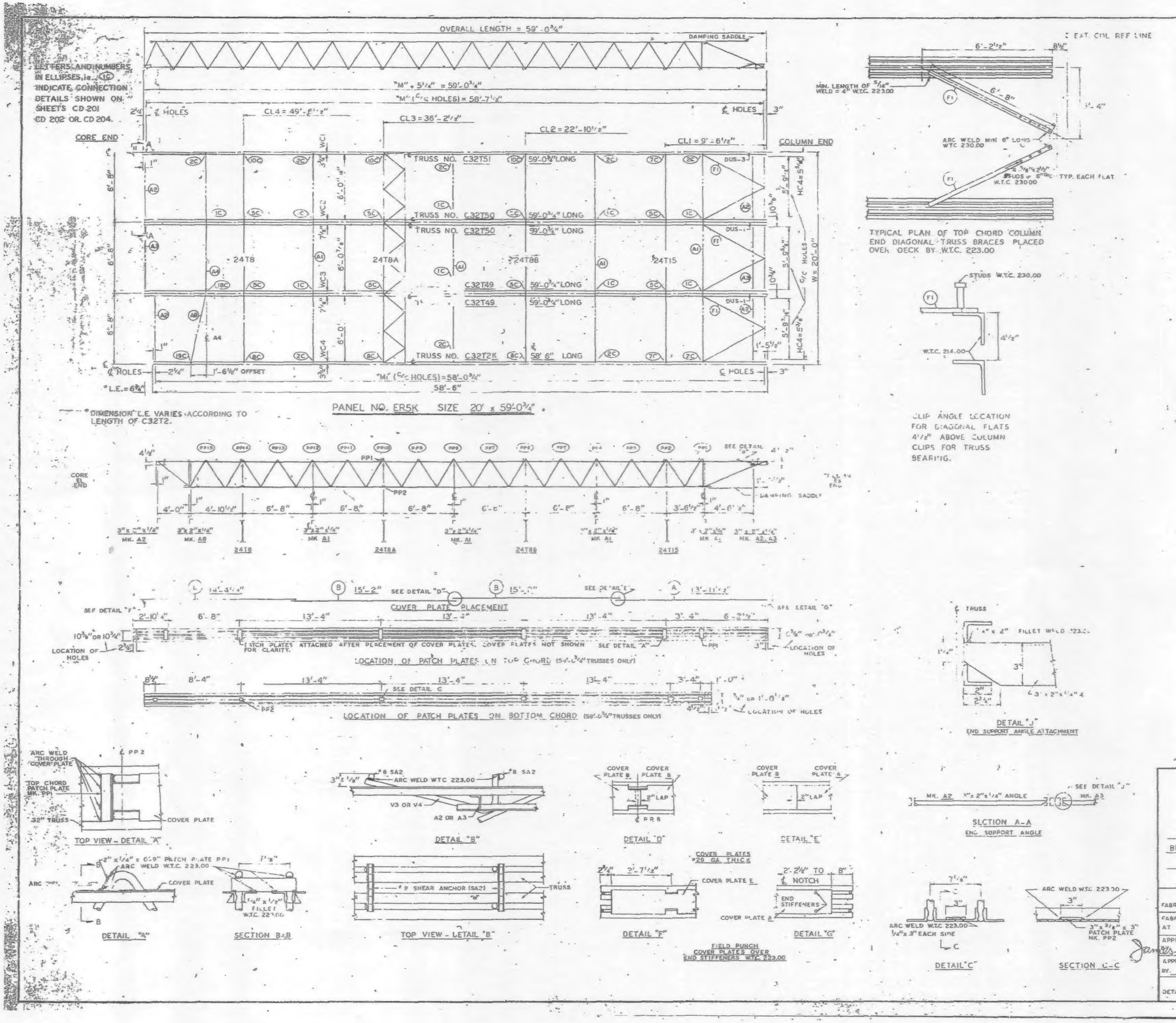
PLATE

IN CHARGE OF [illegible] PROD. DEV.

SHEET NO. FP ER8N


PANEL NO. E5K SIZE 20' x 59'-0¾"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLE
SECTION C-C
REF. DRWGS.
7-AB2-3 & 10 7-22-68
7-AB3-72 11-25-68
7-AB4-3 10-15-68
7-AB4-15 & 16 7-22-68
7-AB4-42 10-15-68
7-AB1-3 7-22-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)
PANEL E5K - 20' x 59'-0¾"
BLDG. B FLOORS 45 (EAST & WEST) 46 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-72
FABRICATION CONT. NO. WTC 221
SHEET NO. FP E5K


LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201 CD 202 OR CD 204
CORE END
COLUMN END
TRUSS NO. C32751
TRUSS NO. C32750
TRUSS NO. C32749
TRUSS NO. C32725
PANEL NO. ERSK SIZE 20' x 59'-0¾"
*DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C3272.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED PER DECK BY W.T.C. 223.00
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
DETAIL "H"
DETAIL "J"
ANGLE
DAMPING SADDLE
CONNECTION BAR
CONNECTION PLATES
PATCH PLATES
AS NOTED
LOCATION OF PATCH PLATE
WORLD TRADE CENTER
THE PORT OF NEW YORK
BLDG. A FLOORS 45 & 46 (SOUTH)
BLDG. B FLOORS 45 & 46 (EAST)
59'-0¾"
FABRICATED AT MADISON, ILLINOIS
5/15/69
LPSK



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	ST 403
DIAGONAL FLATS	[illegible]	6	[illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIP	C1	20	2½" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	[illegible] ϕ x 1'-3"	ST 400
	CB3	6	1⅜" ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	[illegible]	ST 400
	F2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	3	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	[illegible]	[illegible]
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-74	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44, 45 & 46	11-25-68

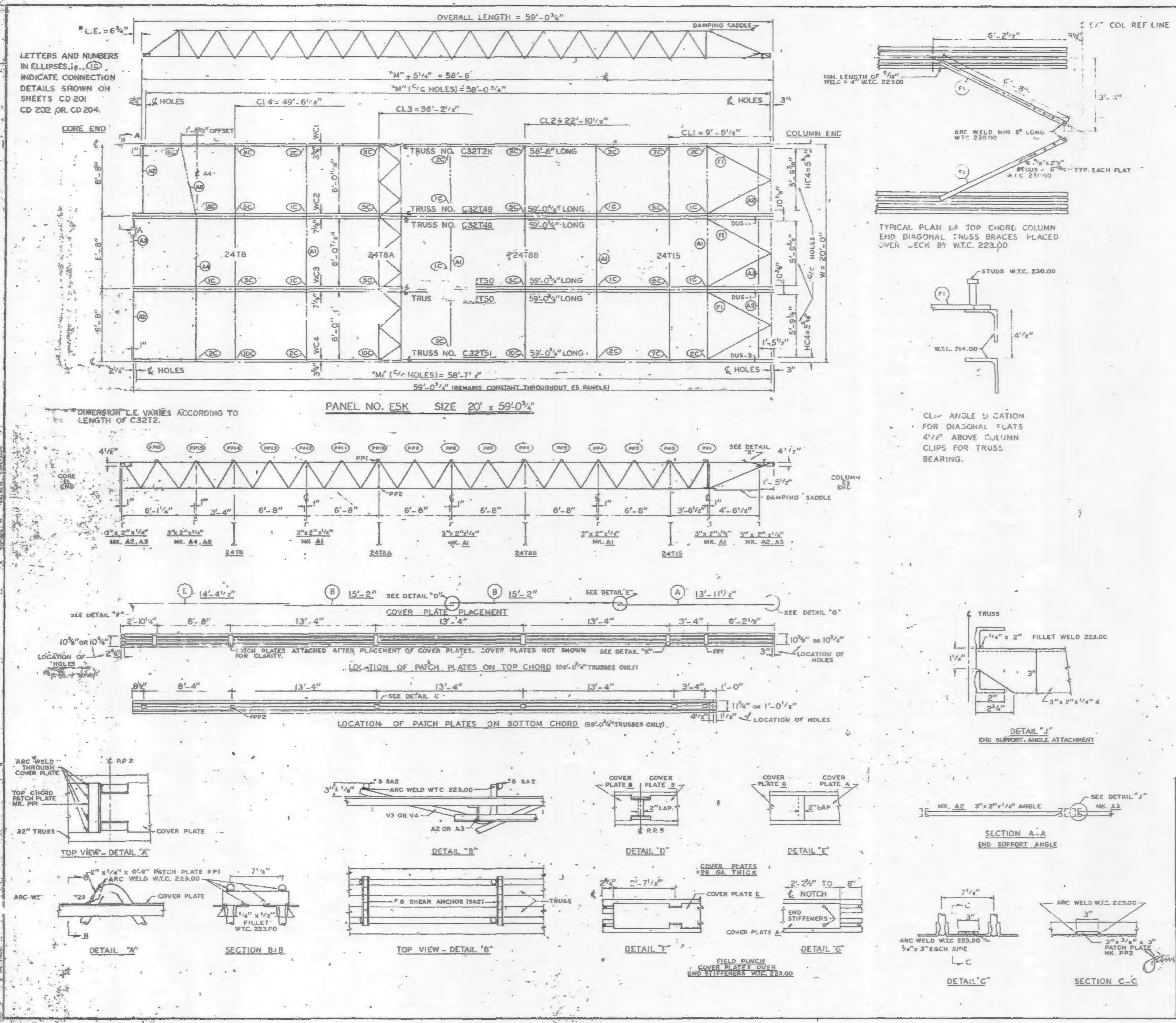
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 & 46 (SOUTH)

PANEL ER5K - 20' x 59'-0¾"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-74	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A	DATE 2/4/69	DRAWN BY: [illegible] DATE JAN 15, 1969	
APPROVED FOR FABRICATION BY. FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT NO. W.T.C. 221	SHEET NO. FP ER5K



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T49	2	C32T49 - 59'-0¾"	ST 249
	T50	2	C32T50 - 59'-0¾"	ST 250
	T51	1	C32T51 - 59'-0¾"	ST 251
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A4	1	3" x 2" x ¼" x 13' 3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8[illegible]"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1³⁄₁₆" ϕ x 1'-3"	ST 400
	CB3	6	1⅝" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .33" x 0'-8"	ST 400
	P3	1	4½" x .33" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .3[illegible]" x 0'-[illegible]"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¾"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-73	11-25-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-44,45 & 46	11-25-68

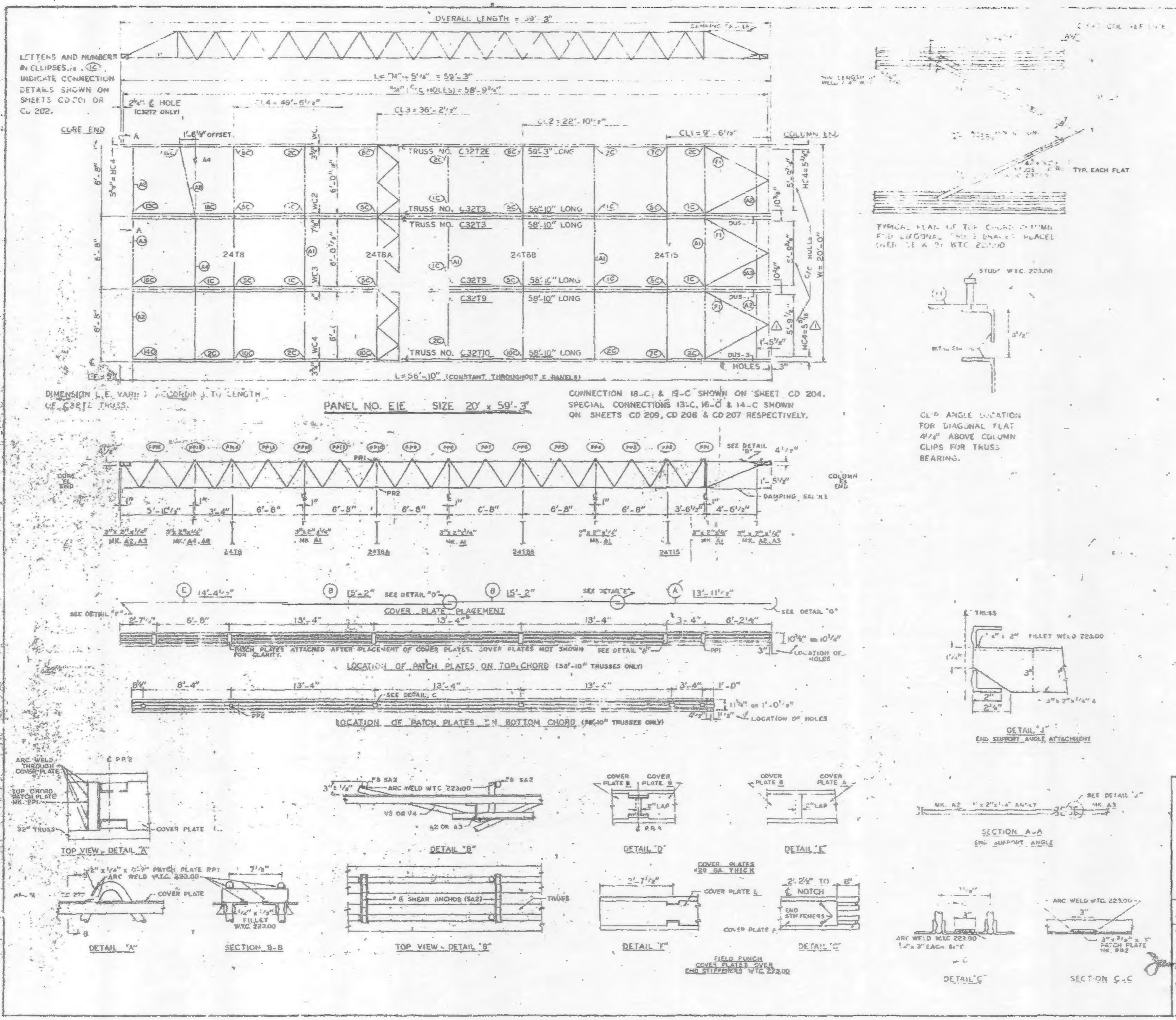
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46 (SOUTH)

PANEL E5K — 20' x 59'-0¾"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-73	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A	DATE 2/4/69	DRAWN BY: gdc DATE JAN. 15, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 15, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP. E5K



MATERIAL	MK	PCS	SIZE	REF.
... TRUSS	T2E	1	[illegible]	[illegible]
	T3	2	[illegible]	[illegible]
	T9	2	[illegible]	[illegible]
	T10	1	C32T10 [illegible]	[illegible]
... TRUSS	T8	1	24T8 - 19'-11"	[illegible]
	T8A	1	24T8A - 19'-11"	[illegible]
	T8B	1	24T8B - 19'-11"	[illegible]
	T15	1	24T15 - 19'-11"	[illegible]
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 3/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
	A4	1	3" x 2" x 1/4" x [illegible]-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 7/8"	ST 403
DIAGONAL FLAT	F1	6	[illegible] x 5'-8"	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	6	1 3/8" Φ x 1'-5"	ST 400
	CB3	6	1 3/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3 1/2" x 3/8" x [illegible]	ST 400
	F2	1	4 1/2" x .34" x 0'-9"	ST 400
	F3	1	4 1/2" x .34" x 1'-0"	ST 400
	F5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	PC	1	4 1/2" x .34" x 0'-3"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC-WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	9-19-68	AS NOTED	T.M.C.

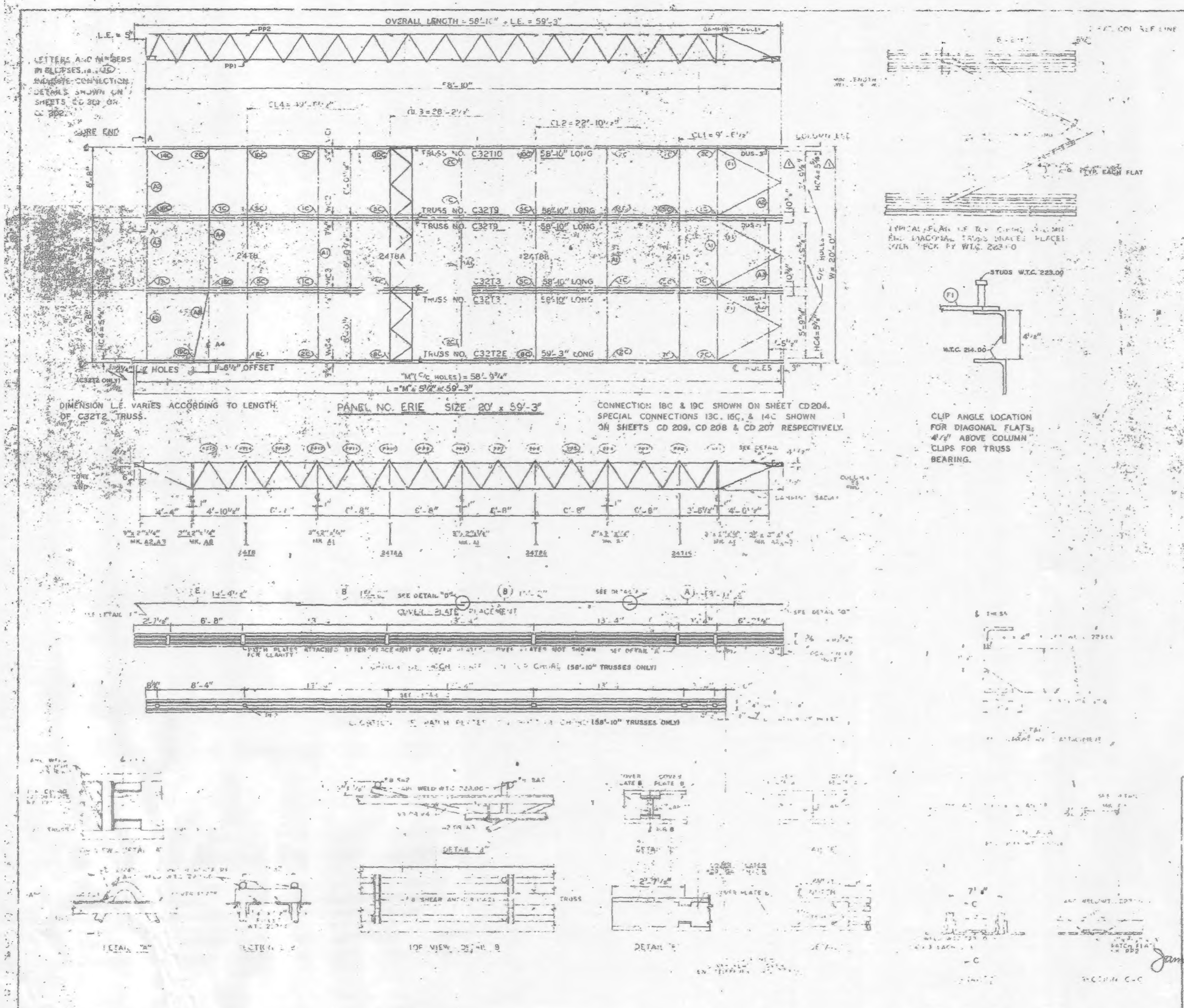
REF. DRWGS.

7-AB2-3 & 10	4-15-68
7-AB4-11	5-10-68
7-AB4-3, 3.1 & 39	[illegible]
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-3	4-10-68
7-AB1-6, 7 & 8	5-10-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-11 (NORTH & SOUTH)
69 (NORTH) PANEL E.E. - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB?-11 5-10-68
PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 9/25/68
DRAWN BY ... DATE JULY 22, 1968
APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE
CHECKED BY T.M. CHURG DATE JULY 22, 1968
IN CHARGE OF PROD. DEPT.
DETAILED BY ... CARL WEBER
FABRICATION CONT. NO. WTC 221
SHEET NO. FP E1E



[illegible]	MK	[illegible]	SIZE	ER WG.
[illegible]	LE	1	[illegible] - 59'-3"	ST 202E
	[illegible]	2	[illegible] - 58'-10"	ST 203
	T9	[illegible]	[illegible] - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
[illegible] TRUSSES	T8	[illegible]	24T8 - 19'-[illegible]	ST 208
	T8A	[illegible]	24T8A - 16'-[illegible]	ST 208A
	T8B	[illegible]	[illegible] - 19-[illegible]	ST 208B
	T15	[illegible]	24T15 - [illegible]	ST 215
3"x 2"x 1/4" ANGLE	A1	4	[illegible]	ST 403
	A2	[illegible]	[illegible]	ST 403
	A3	2	[illegible]	ST 403
	A4	1	3"x2"x1/4" x 13'-3"	ST 403
	A8	1	[illegible]	ST 405
DIAGONAL FLATS	F1	[illegible]	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	[illegible]	ST 303
	B	[illegible]	[illegible] x .0135" x 15'-2"	ST 303
	E	[illegible]	[illegible] x .0135" x 14'-4 1/2"	ST 3[illegible]
ANGLE CLIPS	C1	20	[illegible]	ST 400
	C2	4	[illegible]	ST 400
[illegible] SADDLE	[illegible]	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	[illegible]	1 3/8" ⌀ x 1'-8"	ST 400
	CB3	6	1 3/8" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .30" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-9"	ST 400

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NO.	DATE	REVISION	BY
1	9-18-68	AS NOTED	T.M.C.

10-11 (SOUTH)

PANEL ERIE

STEEL COMPANY

James White 9/25/68

FP ERIE